

Infinite possibilities...



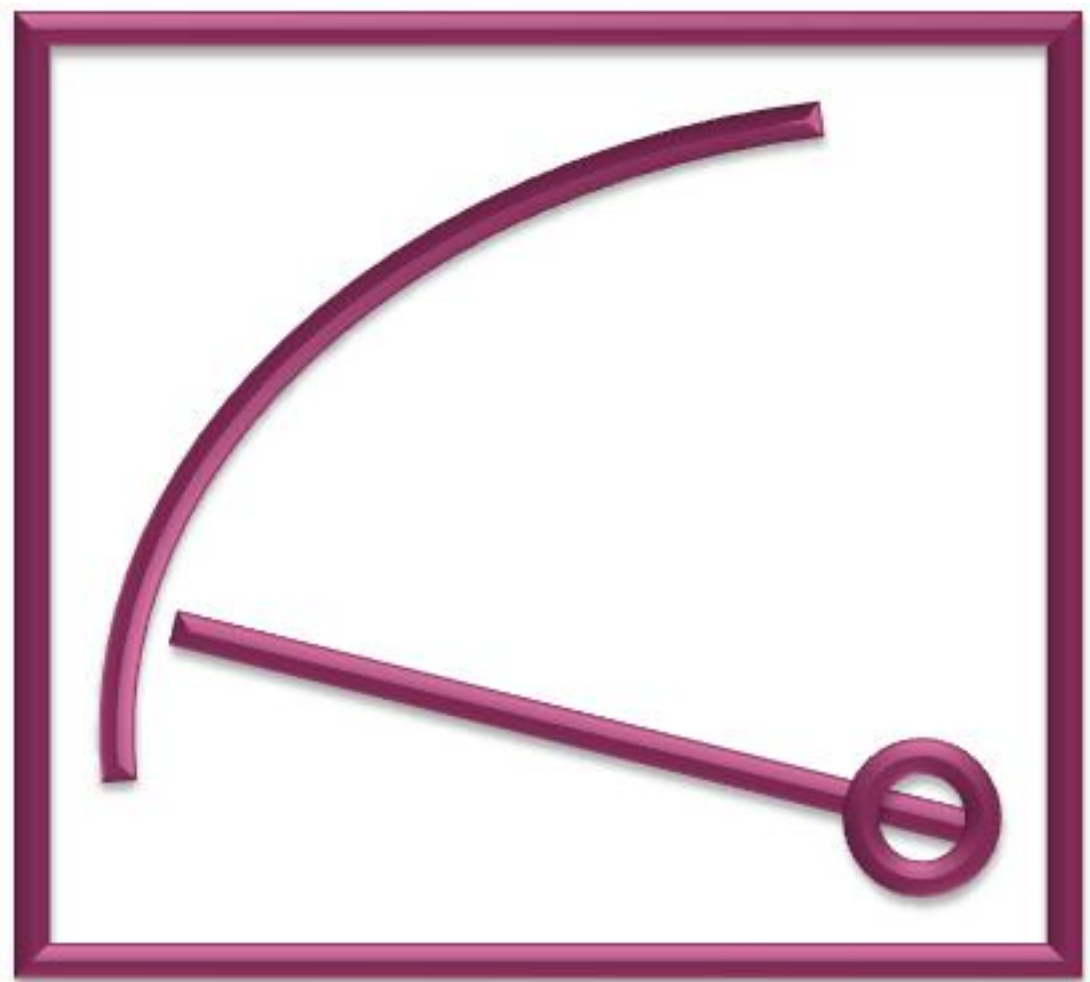
Rishabh Instruments Pvt. Ltd.

Price List w.e.f 1st January 2020

RISHABH

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Analog Expertise

90° Scale

Group	Type	Description	48x48 mm	72x72 mm	96x96 mm	144x144mm
			LP (INR)			
Moving Iron AC Meters			EQ41	EQ71	EQ91	EQ11
EQ	Voltmeter	6,10,15,25,30,40,50,75,100,110,120,125,132.5,133.33,150,250,300V	450	410	470	690
		400,500,600V	530	450	520	770
		Non Standard Voltmeter/Non Std PT Operated Voltmeter/Other than above ranges (upto 1000V)	610	530	600	900
	Milli - Ammeter	100,150,250,400,500,600,750mA	440	400	440	610
	Ammeter	1,1.2,1.25,1.5,2.5,4,5,6,10,15,20,25,CT Operated 5A/1A Secondary	440	390	410	580
		30,40,50,60A	620	470	500	690
		100A	-	470	500	690
Non Standard Ammeter/Other than above ranges (upto 100A)		660	600	630	880	
Moving Iron AC Meters with In-built Selector Switch				SS71	SS91	
SS	Voltmeter / Ammeter	Inbuilt selector switch type Ammeters & Voltmeters (EQ-SWT)	-	630	705	-
Moving Coil DC Meters			PQ41	PQ71	PQ91	PQ11
PQ	Milli - Voltmeter	15*,25*,40*,50 mV	720	620	680	-
		60,75,100,150,250,400,600 & 750mV	690	600	650	1160
	Voltmeter	1,1.5,2.5,4,5,6,10,15, 20, 25,30V	690	600	710	1160
		40,50,60,100, 150,200, 250, 300V	790	690	740	1170
		400,500,600V	860	700	810	1220
		Non Standard Voltmeter/Other than above ranges (upto 1000V)	1090	990	1060	1450
	Micro-Ammeter	15**,25**,40**,50*,60*,75uA	890	820	910	-
		100,150,200,250,400,500,600,750uA	780	710	740	1170
	Milli - Ammeter	1,1.5,2.5,4,5,6,10,15,20,25,40,60,100,150,200,250,300,400,500,600,750 mA	660	600	650	1100
	Ammeter	1,1.5,2.5,4,5,6,10,15,20,25A	660	600	650	1100
		30,40,60A	800	690	740	1330
		100A	-	810	820	1420
		4-20mA	770	720	760	1270
		Non Standard Ammeter/Other than above ranges (upto 100A)	-	960	980	1700

** Class 5, * Class 2.5



90° Scale

Group	Type	Description	48x48mm	72x72mm	96x96mm	144x144mm
			LP (INR)			
Moving Coil AC Meters with Rectifier			VQ41	VQ71	VQ91	VQ11
VQ	Voltmeter	40**,50*,60*,75,100,120,125,150,250,300,400,500,600V	1115	945	1075	1505
		Non Standard Voltmeter/Other than above ranges (upto 600V)	1295	1095	1250	1650
	Micro-Ammeter	100,150,250,400,50,600,750uA	1030	955	990	1440
	Milli -Ammeter	1,1.5,2.5,4,5,6,10,15,20,25,30,40,60 75,100mA	905	840	895	1375
		150,250,400 ,600,750mA	1010	945	1000	1480
	Ammeter	1,1.5,2.5,4,5A	-	1050	1115	1585
		6,10A	-	-	1180	1690
Non Standard Ammeter/Other than above ranges (upto 10A)		-	-	1250	1745	
** Class 5, * Class 2.5, Scales are Non-linear & Non-Interchangeable for 1A-10A Ranges						
Pointer type Frequency Meter with Built In Transducer			ZQ41	ZQ71	ZQ91	ZQ11
ZQ	Frequency Meter	45-50-55 Hz, 45-55-65 Hz, 55-60-65 Hz	945	895	970	1040
		380-400-420 Hz, 360-400-440 Hz	-	865	925	1000
Vibrating Reed type Frequency Meter				FQ71	FQ91	FQ11
FQ	Frequency Meter	45-50-55 Hz, 47-50-53 Hz		820	850	-
Power Factor Meter with Built In Transducer				CQ71	CQ91	CQ11
CQ	Power Factor Meter	1Ph. & 3Ph. balanced load		1440	1480	1560
		3Ph., 3W unbalanced load (D2C)		-	3260	3670
		3Ph., 4W unbalanced load (V3C)		-	3990	4470
Cap 0.8-1-0.3 Ind (Bal load), Cap 0.8-1-0.8 Ind (Bal load), Cap 0.5-1-0.5 Ind (Bal & Unbal Load), for 1 Phase meter PF range will be Cap 0.5-1-0.5 Ind only. Operating frequency 60Hz - Please contact to nearest sales office.						
Active (W) / Reactive (B) Power Meter with Built In Transducer					WQ91	WQ11
WQ	Active Power Meter (Wattmeter)	Single Element Single Phase (E1W)			1570	1760
		Single Element 3 Phase 3 Wire Balanced Load (D1W)			1880	2010
		Two Element 3 Phase 3 Wire Unbalanced Load (D2W)			2510	2790
		Single Element 3 Phase 4 Wire Balanced Load (V1W)			2060	2200
		Three Element 3 Phase 4 Wire Unbalanced Load (V3W)			3120	3470
	Re-active Power Meter (VAr Meter)	Single Element Single Phase (E1B)			1570	1760
		Single Element 3 Phase 3 Wire Balanced Load (D1B)			1880	2010
		Two Element 3 Phase 3 Wire Unbalanced Load (D2B)			2510	2790
		Single Element 3 Phase 4 Wire Balanced Load (V1B)			2060	2200
		Three Element 3 Phase 4 Wire Unbalanced Load (V3B)			3120	3470
Please Specify Measuring Range, Primary & Secondary Voltage & Current While Ordering. Allowable λ factor ranges 0.5 - 1.5						
Synchroscope Meter					SQ91	SQ11
SQ	Synchroscope	110/100V,127/120V,240/220V,440/380V,480/415V (LED TYPE)			2240	3415
Maximum Demand Ammeters - BIQ / BIEQ			BI41	BI71	BE71	BI91
MDI	Ammeter	.../1A/1.2/5/6A (8 minutes / 15 minutes)	1610	1430	1775	1355
		.../1A/1.2/5/6A (20 minutes / 30 minutes)	-	2195	2450	2450

240° Scale

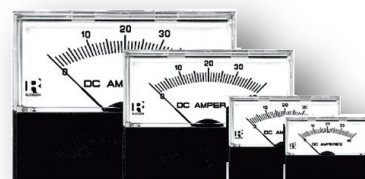
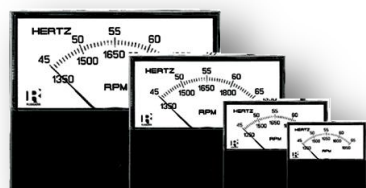
Group	Type	Description	48x48mm	72x72mm	96x96mm	144x144mm
			LP (INR)			
Moving Coil DC Meters			PL41	PL71	PL91	PL11
PL	Milli - Voltmeter	50,60,75,100,150,250,400,600 & 750 mV	-	1140	1210	1420
	Voltmeter	1,1.5, 2.5, 4, 5, 6,10,15,25,30,40,50,60,75,100V	1240	1140	1210	1420
		150,200,250,300,400,500,600V	-	1140	1210	1420
		Non Standard Voltmeter/Other than above ranges (upto 600V)	-	1220	1300	1530
	Micro-Ammeter	50*,60*,75,100uA	-	1210	1500	1540
		100,150,250,400,500,600uA	-	1090	1160	1480
	Milli - Ammeter	1,1.5,2.5,4,5,6,10,15,20,25,40,50,60,100,150,200,250,300,400,500,600,750 mA	-	1040	1110	1300
	Ammeter	1,1.5,2.5,4,5,6,10,15,20,25A	-	1040	1110	1300
		30,40,50,60A	-	-	1360	1420
		4-20mA	1300	1180	1240	1470
		Non Standard Ammeter/Other than above ranges (upto 60A)	-	1270	1340	1560
	* Class 2.5					
Moving Coil AC Meters with Rectifier				VL71	VL91	VL11
VL	Voltmeter	40**,50*,60*,100,110,120,125,132.5,133.33,150,200,250,300,400,500,600V	1330	1410	1620	
		Non Standard Voltmeter/Other than above ranges (upto 600V)	1420	1490	1730	
	Ammeter	1A & 5A CT operated	1440	1510	1720	
** Class 5, * Class 2.5, Scales are Non-linear & Non-Interchangeable for 1A & 5A Ranges						
Frequency Meter with Built In Transducer					ZL91	ZL11
ZL	Frequency Meter	45-50-55 Hz, 45-55-65 Hz, 55-60-65 Hz		1720	1890	
		380-400-420 Hz, 360-400-440 Hz		1810	1980	
Power Factor Meter with Built In Transducer					CL91	CL11
CL	Power Factor Meter	1Ph. & 3Ph. balanced load		2750	3510	
		3Ph., 3W unbalanced load (D2C)		5010	5770	
		3Ph., 4W unbalanced load (V3C)		5470	6220	
Cap 0.8-1-0.3 Ind (Bal load), Cap 0.8-1-0.8 Ind (Bal load), Cap 0.5-1-0.5 Ind (Bal & Unbal Load), for 1 Phase meter PF range will be Cap 0.5-1-0.5 Ind only. Operating frequency 60Hz - Please contact to nearest sales office.						
Active (W) / Reactive (B) Power Meter with built-in Transducer					WL91	WL11
WL	Active Power Meter (Wattmeter)	Single Element Single Phase (E1W)		3300	3450	
		Single Element 3 Phase 3 Wire Balanced Load (D1W)		3160	3300	
		Two Element 3 Phase 3 Wire Unbalanced Load (D2W)		4670	4820	
		Single Element 3 Phase 4 Wire Balanced Load (V1W)		3300	3450	
		Three Element 3 Phase 4 Wire Unbalanced Load (V3W)		4270	4400	
	Re-active Power Meter (VAr Meter)	Single Element Single Phase (E1B)		3300	3450	
		Single Element 3 Phase 3 Wire Balanced Load (D1B)		3160	3300	
		Two Element 3 Phase 3 Wire Unbalanced Load (D2B)		4670	4820	
		Single Element 3 Phase 4 Wire Balanced Load (V1B)		3300	3450	
		Three Element 3 Phase 4 Wire Unbalanced Load (V3B)		4270	4400	
Please Specify Measuring Range, Primary & Secondary Voltage & Current While Ordering. Allowable λ factor ranges 0.5 - 1.5						

Analog Panel Meters

Extra Charges Applicable for 90 deg / 240 deg deflection meters	LP (INR)
Standard Scale [e.g. 300/5A (If separate scale is required)]	30
Non-Standard Scale [e.g. RPM, m/min., %, BAR etc. (If separate scale is required)]	55
Customised Scale [Like rpm, m/min., %, BAR etc. This is a surcharge for non standard scale along with the meter price = LP + surcharge]	40
Ammeter (x1) (without suppression)	No Extra
Ammeter (x2) or (x3) suppression (for EQ meters only)	No Extra
Ammeter (x5) or (x6) suppression (for EQ meters only)	30
Ammeter (x2) or (x6) suppression (for VQ & VL meters only)	40
Dual Range with three terminals (for EQ 96 and 144 sizes only)	80
Centre Zero (for PQ, PL, WQ & WL meters only)	30
Zero between left & centre (for PQ, PL, WQ & WL meters only)	35
Zero suppression (1.....5V DC) for PQ or PL meters	40
Additional numbering / marking / red mark	35
Coloured Sectors (red/green) per sector	35
Black scale & yellow / white pointer marking & number	65
Customised frequency EQ (40Hz.....400Hz)	40
Calibration at position other than perpendicular	35
Accuracy Class 1	35
Dual scale with two terminals	40
Triple scale with two terminals	55
Red Pointer Assembly 72x72 or 96x96	65
Spares	LP (INR)
Glass (48,72,96,144)	25
Glass with zero adjustment (48,72,96,144)	30
Anti glare Glass (48,72,96,144)	65
MDI Glass with Zero Adjustment Knob	60
Colour Bezel (White, Blue, Red, Yellow)	45
Clamp-strap with screw (set of 2)	25
Swivel fixing clamp (set of 2)	25
Spring clips (only for 48, set of 2)	45
Bezel / black frame	35
Full Back Cover as per IP-20	45
Rubber Gasket 72 Size	50
Rubber Gasket 96 Size	55
IP 65 protection kit (72 / 96 size)	100
24V DC Illumination kit	170

ANSI Standard Meters

Challenger Series						
		Model	361	362	363	364
		Length x Height (mm)	45.7 x 57.4	76.2 x 58.5	95.3 x 73.9	131.7 x 103
		Round Cut out (mm)	40.35	53.8	53.8	69.5
Moving Iron AC Meters			EQ1C	EQ2C	EQ3C	EQ4C
EQ	Ammeters	Ammeters - Upto 30A	455	400	455	620
		Ammeters - 40 to 60A	535	485	505	725
	Voltmeters	Volt Meters - Upto 300V	475	420	485	685
		Volt Meters - 400 to 600V	515	485	505	735
Moving Coil DC Meter			PQ1C	PQ2C	PQ3C	PQ4C
PQ	Ammeters	Ammeter - 100 to 500uA	735	735	865	1125
		Ammeter - 1mA to 30A	630	580	620	1050
		Ammeter - 40 to 60A	-	630	675	1165
	Voltmeters	Volt Meter - Upto 30V	630	580	620	1050
		Volt Meter - 40 to 300V	715	655	705	1075
		Volt Meter - 400 to 600V	790	705	780	1125
Frequency Meter			ZQ1C	ZQ2C	ZQ3C	ZQ4C
ZQ	Frequency Meter	45-55Hz,45-65Hz,55-65Hz - 110V/240V/415V	-	850	905	-
Anush Series						
		Model	011	012		
		L x H - In mm	55.6 x 47.2	79.2 x 67.5		
		Round Cutout (mm)	39.4	55.6		
Moving Iron AC Meters			EQ1A	EQ2A		
EQ	Ammeters	Ammeters - Upto 30A	-	400		
		Ammeters - 40 to 60A	-	465		
	Voltmeters	Volt Meters - Upto 300V	-	455		
		Volt Meters - 400 to 600V	-	465		
Moving Coil DC Meters			PQ1A	PQ2A		
PQ	Ammeters	Ammeter - 100 to 500uA	725	-		
		Ammeter - 1mA to 30A	570	-		
		Ammeter - 40 to 60A	630	-		
	Voltmeters	Volt Meter - Upto 30V	570	-		
		Volt Meter - 40 to 300V	640	-		
		Volt Meter - 400 to 600V	695	-		



Two In One Meters

Model	Type	Description	96x96mm	144x144mm
Moving Iron AC meters			EQ9T	EQ1T
2in1	EQ 2in1	AC Moving Iron Low rating (<30A) Ammeter - Voltmeter combination Meters	745	1180
		AC Moving Iron High rating (30A & above) Ammeter - Voltmeter combination Meters	875	1305
		AC Moving Iron Voltmeter - Voltmeter combination Meters	790	1240
		AC Moving Iron Low rating (<30A) Ammeter - Low rating Ammeter (<30A) combination Meters	745	1180
		AC Moving Iron High rating (30A & above) Ammeter - Low rating (<30A) Ammeter combination Meters	875	1305
Frequency Meters			ZQ9T	ZQ1T
2in1	ZQ 2in1	Frequency - Frequency combination meters	1325	1755
Moving Coil DC meters			PQ9T	PQ1T
2in1	PQ 2in1	DC Moving Coil Low rating (<30A) Ammeter - Voltmeter combination Meters	1180	1610
		DC Moving Coil High rating (30A & above) Ammeter - Voltmeter combination Meters	1315	1725
		DC Moving Coil Voltmeter - Voltmeter combination Meters	1125	1565
		DC Moving Coil Low rating (<30A) Ammeter - Low rating (<30A) Ammeter combination Meters	1180	1610
		DC Moving Coil High rating (30A & above) Ammeter - Low rating (<30A) Ammeter combination Meters	1315	1725

Run - Hour Meter

Model	Type	Description	72x72mm	96x96mm
Rish Elapsed Time Meter (Hour meter)			ET71	ET91
ETM	Hour meter	Voltage AC Input : 100-125 / 200-250 / 380-440V 50Hz & 60Hz	1680	1890



Breaker Control (TNC) Switches

Description	LP (INR)	
	TSR	
	25 A	32 A
TNC 1NO 1NC 60D	810	975
TNC 2NO 2NC 60D	985	1175

New



Spring Return Switches

Description	LP (INR)	
	CSR	
	16 A	25 A
ON OFF SPRING RETURN 90D 1P OFF	480	730
ON OFF SPRING RETURN 90D 2P OFF	505	825
ON OFF SPRING RETURN 90D 3P OFF	575	990
ON OFF SPRING RETURN 90D 4P OFF	675	1080

New

Description	LP (INR)	
	CSR	
	16 A	25 A
DOUBLE THROW SPRING RETURN 60D 1P 2W OFF	505	825
DOUBLE THROW SPRING RETURN 60D 2P 2W OFF	740	1080
DOUBLE THROW SPRING RETURN 60D 3P 2W OFF	810	1345



Description	LP (INR)	
	CSR	
	16 A	25 A
SPRING RETURN 60D 1P 2W W/OFF	460	825
SPRING RETURN 60D 2P 2W W/OFF	675	1080
SPRING RETURN 60D 3P 2W W/OFF	735	1345

Reverse Forward Switches

Order code	Description	LP (INR)	Order code	Description	LP (INR)
CRF1-D45L2XXOFS000	RF 45D 2POLE 25A	515	CRF1-D45L3XXOFS000	RF 45D 3POLE 25A	680
CRF1-D60L2XXOFS000	RF 60D 2POLE 25A	515	CRF1-D60L3XXOFS000	RF 60D 3POLE 25A	680
CRF1-E45L2XXOFS000	RF 45D 2POLE 32A	610	CRF1-E45L3XXOFS000	RF 45D 3POLE 32A	780
CRF1-E60L2XXOFS000	RF 60D 2POLE 32A	610	CRF1-E60L3XXOFS000	RF 60D 3POLE 32A	780
CRF1-F45L2XXOFS000	RF 45D 2POLE 40A	1589	CRF1-F45L3XXOFS000	RF 45D 3POLE 40A	1790
CRF1-F60L2XXOFS000	RF 60D 2POLE 40A	1589	CRF1-F60L3XXOFS000	RF 60D 3POLE 40A	1790
CRF1-G45L2XXOFS000	RF 45D 2POLE 63A	1931	CRF1-G45L3XXOFS000	RF 45D 3POLE 63A	2130
CRF1-G60L2XXOFS000	RF 60D 2POLE 63A	1931	CRF1-G60L3XXOFS000	RF 60D 3POLE 63A	2130

New

Instrumentation Switches

Description	LP (INR)			
	CST4			
	6A (PS/MS)	10A	16A	20A
Ammeter Selector Switch - Line Currents with OFF, 4 Pos.	215	260	320	360
Ammeter Selector Switch - Line Currents with Neutral with OFF, 5 Pos.	220	265	325	370
Voltmeter Selector Switch - Voltage between phases with OFF, 4 Pos.	155	240	290	340
Voltmeter Selector Switch - Voltage between phases and individual phases to neutral with OFF, 7 Pos.	285	475	550	590
Voltmeter Selector Switch - Voltage between phases to neutral with OFF, 4 Pos.	275	320	400	435

Note :- PS - Plastic Shaft Switch with IP20 / MS - Metal Shaft Switch



Changeover Switches											
RISHCAM - COFF 60 / COFF 90 / CWOFF 90	Description	LP (INR)									
		CST1				CSS1				CSH1	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
With OFF 60 Deg / 90 Deg / 90 Deg without OFF	1P 2W	135	250	290	295	305	345	460	615	3075	4440
	2P 2W	175	295	325	385	415	480	625	935	4495	6765
	3P 2W	215	365	435	540	620	670	790	1250	5820	8655
	4P 2W	265	425	505	665	820	870	955	1585	7425	10910

RISHCAM - PCF90	Description	LP (INR)									
		CST1				CSS1				CSH1	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Phase Changeover With OFF 90 Deg	1P 3W	155	210	250	290	290	380	560	600	2515	3595
	2P 3W	200	250	320	400	480	550	635	830	3700	5185
	3P 3W	240	295	340	460	580	605	945	1290	3945	5525
DB Phase Changeover With OFF 90 Deg	3P 1W	-	-	-	-	-	-	-	750	-	-

Isolator Switches											
RISHCAM - I60 / 90 / 90 CR	Description	LP (INR)									
		CST3				CSS3				CSH3	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Isolator 60 / 90 / 90 Deg CR	1P ON-OFF	100	195	230	240	250	305	380	450	2300	2950
	2P ON-OFF	135	220	260	280	300	350	455	580	2835	3805
	3P ON-OFF	145	290	320	360	410	445	540	760	3485	4790
	4P ON-OFF	175	300	340	410	485	515	625	935	4200	5815

RISHCAM - I45	Description	LP (INR)									
		CST3				CSS3				CSH3	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Isolator 45 Deg	1P ON-OFF	115	160	220	235	240	340	415	495	-	-
	2P ON-OFF	155	200	260	295	330	380	510	635	-	-
	3P ON-OFF	185	240	285	375	430	510	595	870	-	-

Multistep Switches											
RISHCAM - MOFF (3 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
With OFF 90 Deg	1P 3W	155	285	300	310	295	370	530	590	3075	4665
	2P 3W	220	330	365	435	490	525	750	840	4470	7050
	3P 3W	305	435	620	665	725	795	995	1275	5850	9200
	4P 3W	390	555	745	815	895	995	1310	1535	7350	11600

RISHCAM - MOFF (4 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
With OFF 60 Deg	1P 4W	180	255	435	480	520	575	655	865	2735	3930
	2P 4W	305	470	520	535	550	630	810	1015	3930	6135
	3P 4W	430	430	805	855	895	1040	1380	1545	10700	13815

RISHCAM - MOFF (5 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
With OFF 60 Deg	1P 5W	195	400	505	565	645	660	800	930	2770	4000
	2P 5W	360	615	670	765	865	1015	1050	1300	3990	6185

PS - Plastic Shaft Switch with IP20 / MS - Metal Shaft Switch

RISHCAM - MOFF (6 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
With OFF 45 Deg	1P 6W	260	265	490	540	580	665	690	1100	-	-
	2P 6W	430	420	710	795	895	1090	1390	1775	-	-

RISHCAM - MOFF (7 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
With OFF 45 Deg	1P 7W	270	440	525	580	660	685	710	1090	-	-

RISHCAM - MOFF (8 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
With OFF 30 Deg	1P 8W	295	365	520	605	-	-	-	-	-	-

RISHCAM - MOFF (9 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
With OFF 30 Deg	1P 9W	305	440	520	645	-	-	-	-	-	-

RISHCAM - MOFF (10 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
With OFF 30 Deg	1P 10W	350	455	705	940	-	-	-	-	-	-

RISHCAM - MOFF (11 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
With OFF 30 Deg	1P 11W	425	500	650	800	-	-	-	-	-	-

RISHCAM - MWOFF (3 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Without OFF 60 Deg	1P 3W	145	270	305	310	380	395	605	680	2540	4070
	2P 3W	220	400	430	565	700	685	760	895	4490	5770
	3P 3W	305	500	640	680	730	785	1100	1295	4850	9340
	4P 3W	390	555	735	835	915	965	2110	2360	5200	10200

RISHCAM - MWOFF (4 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Without OFF 90 Deg	1P 4W	165	290	375	410	460	475	650	920	3075	3255
	2P 4W	240	430	440	505	540	590	795	1010	4650	7710
	3P 4W	330	495	695	775	850	935	1020	1360	6200	10200

RISHCAM - MWOFF (5 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Without OFF 60 Deg	1P 5W	190	305	400	460	500	640	810	1020	2735	3950
	2P 5W	360	345	545	700	810	880	1120	1410	3975	9585

PS - Plastic Shaft Switch with IP20 / MS - Metal Shaft Switch

RISHCAM - MWOFF (6 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Without OFF 60 Deg	1P 6W	210	260	505	535	570	660	760	960	4470	8650
	2P 6W	415	500	675	840	1010	1030	1045	1335	8850	11385

RISHCAM - MWOFF (7 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Without OFF 45 Deg	1P 7W	260	330	380	525	675	680	810	1200	-	-

RISHCAM - MWOFF (8 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Without OFF 45 Deg	1P 8W	265	540	570	605	685	710	800	1150	-	-

RISHCAM - MWOFF (9 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Without OFF 30 Deg	1P 9W	305	435	895	635	-	-	-	-	-	-

RISHCAM - MWOFF (10 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Without OFF 30 Deg	1P 10W	330	580	990	1020	-	-	-	-	-	-

RISHCAM - MWOFF (11 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Without OFF 30 Deg	1P 11W	575	605	645	820	-	-	-	-	-	-

RISHCAM - MWOFF (12 WAY)	Description	LP (INR)									
		CST2				CSS2				CSH2	
		6A (PS/MS)	10A	16A	20A	25A	32A	40A	63A	100A	200A
Without OFF 30 Deg	1P 12W	645	685	745	855	-	-	-	-	-	-

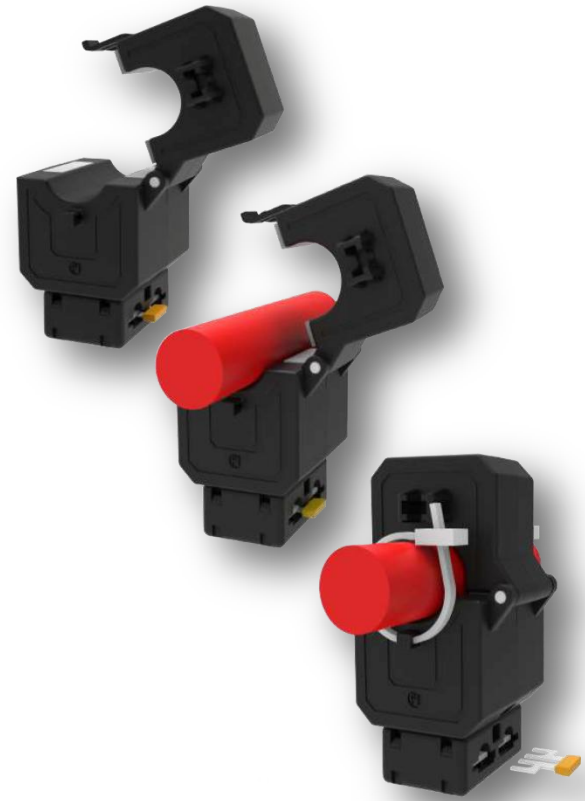
PS - Plastic Shaft Switch with IP20 / MS - Metal Shaft Switch



New

Compact Split Core CT

Group	Primary Current / Secondary Current	Class 1		Class 3	
		VA	LP (INR)	VA	LP (INR)
Compact Split Core CT 36-18					
XCS1	60/1A	-	-	0.2	1325
	75/1A	-	-	0.2	1335
	80/1A	-	-	0.2	1340
	100/1A	-	-	0.2	1345
Compact Split Core CT 50-18					
XCS2	100/1A	-	-	0.2	1850
	125/1A	-	-	0.2	1850
	150/1A	0.2	1860	-	-
	150/5A	0.2	1860	-	-
	200/1A	0.2	1870	-	-
	200/5A	0.2	1870	-	-
	250/1A	1	1880	-	-
	250/5A	1	1880	-	-
Compact Split Core CT 50-32					
XCS3	200/1A	-	-	0.2	1870
	250/1A	0.2	1880	-	-
	250/5A	0.2	1880	-	-
	300/1A	0.2	1890	-	-
	300/5A	0.2	1890	-	-
	400/1A	0.2	1900	-	-
	400/5A	0.2	1900	-	-
	500/1A	0.2	1910	-	-
	500/5A	0.2	1910	-	-

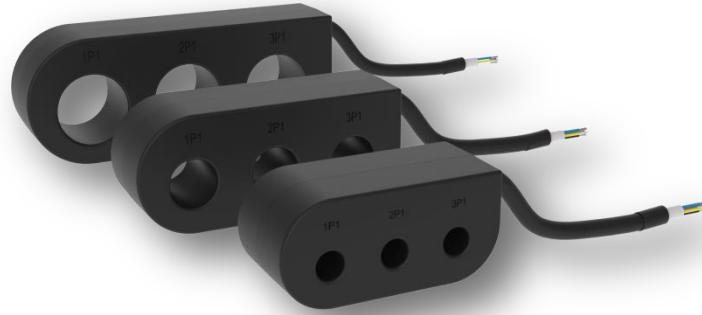


3 Phase Nano CT

Secondary Current : 100mA

New

Description	Primary Current (A)	Class 0.5	
		VA	LP (INR)
X308 - CTB 3PH 65/8	63	0.1	645
X306 - CTB 3PH 90/15	125	0.1	680
X307 - CTB 3PH 116/26	250	0.1	785



3 Phase Nano CT with RJ12 connection

Secondary Current : 100mA

New

Description	Primary Current (A)	Class 0.5	
		VA	LP (INR)
X308 - CTB 3PH 65/8 - RJ12	63	0.1	745
X306 - CTB 3PH 90/15 - RJ12	125	0.1	780
X307 - CTB 3PH 116/26 - RJ12	250	0.1	885

Note :- Above CTs will be supplied with integrated cable length of 2 meter



3 in 1 CT with RJ12 connection Secondary Current : 100mA

KMAT	Description	Primary Current (A)	Class 1	
			VA	LP (INR)
XRJ1	CTB 3PH RJ12 75mm wide	60	0.25	885
	CTB 3PH RJ12 75mm wide	100	0.25	930
	CTB 3PH RJ12 75mm wide	125	0.25	940
	CTB 3PH RJ12 75mm wide	160	0.25	950
XRJ2	CTB 3PH RJ12 105mm wide	60	0.25	950
	CTB 3PH RJ12 105mm wide	100	0.25	970
	CTB 3PH RJ12 105mm wide	125	0.35	975
	CTB 3PH RJ12 105mm wide	160	0.50	980
	CTB 3PH RJ12 105mm wide	250	0.50	1010
XRJ3	CTB 3PH RJ12 140mm wide	250	0.25	1030
	CTB 3PH RJ12 140mm wide	400	0.25	1050
	CTB 3PH RJ12 140mm wide	630	0.25	1090
XRJ4	CTB 3PH RJ12 215mm wide	750	0.50	1110
	CTB 3PH RJ12 215mm wide	800	0.50	1130



Note :- Above CTs will be supplied with detachable cable length of 2 meter

3 Phase CTs

Standard Secondary current: 5A

Group	Primary Current (A)	Class 0.5		Class 1		Class 3	
		VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 3 PH 75/15(60)							
X301	100	-	-	1.0	1070	2.5	965
	125	-	-	1.5	1070	2.5	1005
	150	1.5	1070	1.5	1070	2.5	1060
	160	1.5	1090	1.5	1080	2.5	1070
Rish Xmer 3 PH 105/21(40)							
X302	100	-	-	1.0	745	2	740
	125	-	-	1.5	765	2.5	760
	150	-	-	1.5	775	2.5	765
	160	1.5	795	1.5	785	2.5	775
	200	1.5	835	1.5	820	2.5	815
	250	1.5	880	1.5	870	2.5	860
Rish Xmer 3 PH 140/31(40)							
X303	250	1.5	870	1.5	860	2.5	855
	300	2.5	890	2.5	885	3.75	875
	400	2.5	885	2.5	885	3.75	880
	500	2.5	930	2.5	920	3.75	915
Rish Xmer 3 PH 185/27(45)							
X304	40	-	-	-	-	1.25	800
	60	-	-	-	-	1.5	820
	80	-	-	-	-	1.5	830
	100	-	-	1.5	855	1.5	845
	150	-	-	1.5	900	1.5	885
	200	-	-	2.5	960	2.5	950
	250	-	-	2.5	1040	2.5	1025
	300	-	-	5	1090	5	1075
	400	-	-	5	1125	5	1110
	500	-	-	5	1175	5	1130
Rish Xmer 3 PH 185/37(45)							
X305	300	-	-	2.5	730	2.5	720
	400	-	-	5	790	5	775
	500	-	-	5	900	5	880
	600	-	-	5	920	5	910
	800	-	-	5	950	5	950

Notes :-

1. Please add INR 290 for 1A secondary current (Before ordering, please check feasibility with local sales office)
2. Please add INR 87 for Busbar Mounting Kit
3. Please add INR 70 for DIN rail Mounting Kit
4. For any non-standard item, please contact local sales office

Split Core CT

Standard Secondary current: 5A

Group	Primary Current (A)	Class 0.5		Class 1		Class 3	
		VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 93/30SC (40)							
XS01	100	-	-	1.5	1350	3.5	1350
	150	-	-	1.75	1350	3.75	1350
	200	-	-	2.5	1350	5	1350
	250	-	-	3.75	1630	6.25	1630
	300	2.5	1650	5	1630	6.25	1630
	400	3.75	1650	6.25	1630	10	1630
Rish Xmer 105/50SC (50)							
XS05	100	-	-	1.5	2950	-	-
	125	-	-	1.5	2980	-	-
	150	-	-	1.75	3005	-	-
	200	1.5	3045	3.75	3045	-	-
	250	2.5	3100	5	3100	-	-
	300	2.5	3150	5	3150	-	-
	400	5	3245	7.5	3245	-	-
	500	5	3335	7.5	3335	-	-
	600	6.25	3430	10	3430	-	-
	750	7.5	3575	12.5	3575	-	-
800	7.5	3630	12.5	3630	-	-	
Rish Xmer 125/50SC (40)							
XS02	250	1	1855	2.5	1855	-	-
	300	1.5	1855	3.75	1855	-	-
	400	2.5	1855	3.75	1855	-	-
	500	3.75	1855	5	1855	-	-
	600	5	1950	7.5	1950	-	-
	750	7.5	1950	10	1950	-	-
	800	7.5	1950	10	1950	-	-
	1000	10	1950	15	1950	-	-
	1200	10	2190	15	2190	-	-
	1250	10	2190	15	2190	-	-
	1500	10	2440	15	2440	-	-
	1600	10	2440	15	2440	-	-
2000	10	2680	15	2680	-	-	
Rish Xmer 155/80SC (40)							
XS03	250	1.0	3020	2.5	3020	-	-
	300	2.5	3020	3.75	3020	-	-
	400	2.5	3020	3.75	3020	-	-
	500	3.75	3020	5	3020	-	-
	600	5	3020	7.5	3020	-	-
	750	7.5	3020	10	3020	-	-
	800	7.5	3160	10	3160	-	-
	1000	10	3160	15	3160	-	-
	1200	15	3160	30	3160	-	-
	1250	15	3160	30	3160	-	-
	1500	20	3160	45	3160	-	-
	1600	20	3160	45	3160	-	-
	2000	20	4110	45	4110	-	-
	2500	25	4110	45	4110	-	-
3000	30	4110	45	4110	-	-	
Rish Xmer 195/80SC (64)							
XS04	500	1.25	4285	5	4285	-	-
	600	1.25	4285	5	4285	-	-
	750	5	4285	10	4285	-	-
	800	7.5	4480	10	4480	-	-
	1000	10	4480	20	4480	-	-
	1200	15	4620	20	4620	-	-
	1250	15	4620	20	4620	-	-
	1500	20	4865	30	4865	-	-
	1600	20	4865	30	4865	-	-
	2000	25	5105	30	5105	-	-
	2500	25	5105	30	5105	-	-
	3000	30	5105	45	5105	-	-
	4000	30	5355	45	5355	-	-
	5000	30	5355	45	5355	-	-



Notes :- 1. Please add INR 120 for 1A secondary current (Before ordering, please check feasibility with local sales office)
2. For any non-standard item, please contact local sales office

New

Resin Cast CT
Standard Secondary current : 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 0.5		Class 1.0	
			VA	LP (INR)	VA	LP (INR)
LTRC-1 80/30(50)						
XRC1	60	80/30(50)	-	-	1.5	670
	100	80/30(50)	2.5	740	5	670
	125	80/30(50)	2.5	765	5	695
	150	80/30(50)	3.75	780	5	705
	160	80/30(50)	3.75	785	5	710
LTRC-2 90/50(40)						
XRC2	200	90/50(40)	3.75	625	7.5	565
	250	90/50(40)	3.75	710	10	645
	300	90/50(40)	5	710	10	645
	320	90/50(40)	5	710	10	645
LTRC-3 110/72(40)						
XRC3	400	110/72(40)	5	740	10	670
	500	110/72(40)	7.5	770	15	700
	600	110/72(40)	15	795	15	720
	630	110/72(40)	15	800	15	725
LTRC-4 135/85(40)						
XRC4	800	135/85(40)	15	845	15	765
	1,000	135/85(40)	15	900	15	815
	1,200	135/85(40)	15	950	15	860
LTRC-5 165/115(40)						
XRC5	1,500	165/115(40)	15	1135	15	1030
	1,600	165/115(40)	15	1210	15	1100
	2,000	165/115(40)	15	1345	15	1220
LTRC-6 195/130(40)						
XRC6	2,500	195/130(40)	15	1785	15	1620
	3,000	195/130(40)	15	1915	15	1740
	3,200	195/130(40)	15	2300	15	2090
LTRC-7 230/165(40)						
XRC7	3,000	230/165(40)	15	2400	15	2180
	3,200	230/165(40)	15	2500	15	2270
LTRC-8 295/200(40)						
XRC8	4,000	295/200(40)	15	3320	15	3015
	5,000	295/200(40)	15	4235	15	3850

Note :-

Please add INR 120 for 1A secondary current (Before ordering, please check feasibility with local sales office)

For any non-standard item, please contact local sales office



New

Resin Cast CT - Protection Class

Group	Primary Current (A)	Type OD/ID (Axial)	5A Secondary			1A Secondary		
			VA	Class	LP (INR)	VA	Class	LP (INR)
LTRC-1 80/30(50)								
XRC1	100	80/30(50)	1.5	5P5	1070	1.5	5P5	1170
	125	80/30(50)	1.5	5P5	1070	1.5	5P5	1175
	150	80/30(50)	1	5P10	1145	1	5P10	1260
	160	80/30(50)	1	5P10	1145	1.25	5P10	1260
LTRC-2 90/50(40)								
XRC2	200	90/50(40)	1.25	5P5	1480	1.5	5P5	1630
	250	90/50(40)	1.5	5P5	1480	2.5	5P5	1630
	300	90/50(40)	1.5	5P5	1490	1	5P10	1640
	320	90/50(40)	1.5	5P5	1500	1	5P10	1645
LTRC-3 110/72(40)								
XRC3	400	110/72(40)	1	5P5	1505	1	5P5	1655
	500	110/72(40)	1	5P5	1510	1.5	5P5	1660
	600	110/72(40)	1.5	5P5	1515	1.75	5P5	1665
	630	110/72(40)	1.5	5P5	1520	1.75	5P5	1670
LTRC-4 135/85(40)								
XRC4	800	135/85(40)	2.5	5P5	1785	1.75	5P10	1965
	1000	135/85(40)	3.75	5P5	1785	1.75	5P10	1965
	1200	135/85(40)	5	5P5	1825	2.5	5P10	2010
	1250	135/85(40)	5	5P5	1860	2.5	5P10	2045
LTRC-5 165/115(40)								
XRC5	1250	165/115(40)	2.5	5P5	2595	1.75	5P10	2855
	1500	165/115(40)	3.75	5P5	2595	2.5	5P10	2855
	1600	165/115(40)	5	5P5	2595	2.5	5P10	2855
	2000	165/115(40)	6.25	5P5	2625	2.5	5P10	2890
LTRC-6 195/130(40)								
XRC6	2500	195/130(40)	3.75	5P10	3540	5	5P10	3890
	3000	195/130(40)	3.75	5P10	3540	6.25	5P10	3890
	3200	195/130(40)	3.75	5P10	3540	7.5	5P10	3890
LTRC-7 230/165(40)								
XRC7	3000	230/165(40)	3.75	5P10	3875	5	5P10	4260
	3200	230/165(40)	3.75	5P10	3875	5	5P10	4260
LTRC-8 295/200(40)								
XRC8	4000	295/200(40)	10	5P10	5155	15	5P10	5670
	5000	295/200(40)	10	5P10	5860	20	5P10	6445

Note :-

Please add INR 120 for 1A secondary current (Before ordering, please check feasibility with local sales office)

For any non-standard item, please contact local sales office



Wound Primary Type : Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Class 0.2		Class 0.5		Class 1	
		VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 62/W							
XW01	1	1	490	2.5	460	5	435
	2.5	1	490	2.5	460	5	435
	5	1	490	2.5	460	5	435
	7.5	1	490	2.5	460	5	435
	10	1	490	2.5	460	5	435
	15	1	490	2.5	460	5	435
	20	1	490	2.5	460	5	435
	25	1	490	2.5	460	5	435
	30	1	490	2.5	460	5	435
Rish Xmer 74/W							
XW02	1	1.5	615	5	570	10	540
	2.5	1.5	615	5	570	10	540
	5	1.5	615	5	570	10	540
	7.5	1.5	615	5	570	10	540
	10	1.5	615	5	570	10	540
	15	1.5	615	5	570	10	540
	20	1.5	615	5	570	10	540
	25	1.5	615	5	570	10	540
	30	1.5	615	5	570	10	540
	40	1.5	615	5	570	10	540
	50	1.5	615	5	570	10	540
	60	1.5	615	5	570	10	540

Notes :-

Please add INR 120 for 1A secondary current (Before ordering, please check feasibility with local sales office)

For any non-standard item, please contact local sales office



Busbar Type : Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 0.2		Class 0.5		Class 1	
			VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 45/14 (40)								
XM01	30	45/14 (40)	-	-	-	-	1	455
	40	45/14 (40)	-	-	-	-	1	440
	50	45/14 (40)	-	-	-	-	1.5	280
	60	45/14 (40)	-	-	-	-	1.5	280
	75	45/14 (40)	-	-	1.5	295	2.5	285
	80	45/14 (40)	-	-	1.5	295	2.5	285
	100	45/14 (40)	-	-	1.5	300	3.75	295
	120	45/14 (40)	-	-	2.5	305	3.75	295
	125	45/14 (40)	-	-	2.5	305	3.75	295
	150	45/14 (40)	-	-	2.5	355	5	295
	200	45/14 (40)	-	-	3.75	380	7.5	355
	250	45/14 (40)	-	-	5	405	7.5	370
300	45/14 (40)	-	-	5	415	10	395	
Rish Xmer 45/21 (40)								
XM02	50	45/21 (40)	-	-	-	-	1.5	310
	60	45/21 (40)	-	-	-	-	1.5	310
	75	45/21 (40)	-	-	-	-	2.5	310
	80	45/21 (40)	-	-	1	310	2.5	310
	100	45/21 (40)	-	-	1.5	325	3.75	325
	120	45/21 (40)	-	-	1.5	325	3.75	325
	125	45/21 (40)	-	-	2.5	325	3.75	325
	150	45/21 (40)	-	-	2.5	340	5	340
	200	45/21 (40)	-	-	3.75	340	5	340
	250	45/21 (40)	-	-	5	340	5	340
	300	45/21 (40)	-	-	5	360	5	340
	400	45/21 (40)	-	-	5	385	5	370
Rish Xmer 50/14 (30)								
XM03	40	50/14 (30)	-	-	-	-	1	295
	50	50/14 (30)	-	-	-	-	1.5	280
	60	50/14 (30)	-	-	-	-	1.5	285
	75	50/14 (30)	-	-	-	-	1.5	260
	80	50/14 (30)	-	-	-	-	1.5	260
	100	50/14 (30)	-	-	2.5	330	3.75	285
	120	50/14 (30)	-	-	2.5	360	3.75	300
	125	50/14 (30)	-	-	2.5	360	3.75	300
	150	50/14 (30)	-	-	3.75	365	5	305
	200	50/14 (30)	-	-	3.75	380	5	325
	250	50/14 (30)	-	-	5	395	7.5	335
	300	50/14 (30)	-	-	7.5	410	7.5	350
Rish Xmer 50/14 (50)								
XM04	30	50/14 (50)	-	-	-	-	1	530
	40	50/14 (50)	-	-	-	-	1	515
	50	50/14 (50)	-	-	1.5	540	1.5	515
	60	50/14 (50)	-	-	1.5	540	1.5	515
	75	50/14 (50)	-	-	2.5	540	5	540
	80	50/14 (50)	-	-	2.5	490	5	490
	100	50/14 (50)	-	-	3.75	520	5	420
	120	50/14 (50)	-	-	3.75	435	5	430
	125	50/14 (50)	-	-	3.75	435	5	430
	150	50/14 (50)	-	-	5	460	7.5	460
	200	50/14 (50)	-	-	7.5	460	10	460
	250	50/14 (50)	-	-	10	520	12.5	490
	300	50/14 (50)	-	-	10	590	12.5	490

Busbar Type : Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 0.2		Class 0.5		Class 1	
			VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 50/21 (30)								
XM05	50	50/21 (30)	-	-	-	-	1	260
	60	50/21 (30)	-	-	-	-	1	260
	75	50/21 (30)	-	-	-	-	1.5	260
	80	50/21 (30)	-	-	1	365	2.5	260
	100	50/21 (30)	-	-	1.5	370	2.5	270
	120	50/21 (30)	-	-	2.5	330	2.5	270
	125	50/21 (30)	-	-	2.5	335	3.75	275
	150	50/21 (30)	-	-	2.5	340	5	285
	200	50/21 (30)	-	-	3.75	350	5	290
	250	50/21 (30)	-	-	5	355	5	295
	300	50/21 (30)	-	-	5	365	7.5	305
400	50/21 (30)	-	-	5	400	7.5	340	
Rish Xmer 50/21 (50)								
XM06	50	50/21 (50)	-	-	1	520	2.5	520
	60	50/21 (50)	-	-	1.5	520	3.75	520
	75	50/21 (50)	-	-	1.5	520	3.75	490
	80	50/21 (50)	-	-	2.5	520	5	520
	100	50/21 (50)	-	-	2.5	525	5	490
	120	50/21 (50)	-	-	3.75	530	5	500
	125	50/21 (50)	-	-	5	535	5	510
	150	50/21 (50)	-	-	5	540	10	530
	200	50/21 (50)	-	-	10	545	12.5	535
	250	50/21 (50)	-	-	10	550	15	540
	300	50/21 (50)	-	-	7.5	555	12.5	545
400	50/21 (50)	-	-	10	560	15	550	
Rish Xmer 50/30 (30)								
XM07	75	50/30 (30)	-	-	-	-	1	260
	80	50/30 (30)	-	-	-	-	1.5	260
	100	50/30 (30)	-	-	1	285	2.5	265
	120	50/30 (30)	-	-	1	280	2.5	265
	125	50/30 (30)	-	-	1	285	2.5	270
	150	50/30 (30)	-	-	2.5	285	3.75	270
	200	50/30 (30)	-	-	2.5	300	5	285
	250	50/30 (30)	-	-	5	320	5	300
	300	50/30 (30)	-	-	5	325	5	305
	400	50/30 (30)	-	-	5	330	6.25	310
	500	50/30 (30)	-	-	5	335	6.25	315
600	50/30 (30)	-	-	5	340	7.5	320	
Rish Xmer 50/30 (50)								
XM08	50	50/30 (50)	-	-	-	-	1.5	375
	60	50/30 (50)	-	-	-	-	1.5	380
	75	50/30 (50)	-	-	-	-	2.5	385
	80	50/30 (50)	-	-	-	-	2.5	385
	100	50/30 (50)	-	-	1	445	3.75	400
	120	50/30 (50)	-	-	2.5	445	5	405
	125	50/30 (50)	-	-	2.5	445	5	405
	150	50/30 (50)	-	-	5	435	5	405
	200	50/30 (50)	-	-	5	450	7.5	415
	250	50/30 (50)	-	-	5	470	10	415
	300	50/30 (50)	-	-	5	475	10	435
	400	50/30 (50)	-	-	10	510	12.5	445
	500	50/30 (50)	-	-	10	545	12.5	460
600	50/30 (50)	-	-	10	580	15	490	

Busbar Type : Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 0.2		Class 0.5		Class 1	
			VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 62/R								
XM09	50	62/R	-	-	-	-	1.5	385
	60	62/R	-	-	-	-	2.5	390
	75	62/R	-	-	1.5	575	2.5	470
	80	62/R	-	-	2.5	580	2.5	470
	100	62/R	1.5	615	2.5	590	5	525
	120	62/R	1.5	630	3.75	595	5	530
	125	62/R	1.5	635	3.75	600	5	535
	150	62/R	2.5	640	5	615	7.5	545
	200	62/R	5	665	7.5	630	10	565
	250	62/R	5	685	10	650	15	580
	300	62/R	5	725	10	675	15	600
	400	62/R	10	760	15	710	15	640
500	62/R	10	790	15	750	15	685	
600	62/R	10	805	15	770	15	710	
Rish Xmer 62/20 (40)								
XM10	50	62/20 (40)	-	-	-	-	1.5	385
	60	62/20 (40)	-	-	-	-	2.5	390
	75	62/20 (40)	-	-	1.5	575	3.75	515
	80	62/20 (40)	-	-	2.5	580	3.75	515
	100	62/20 (40)	1.5	645	2.5	590	5	525
	120	62/20 (40)	1.5	645	3.75	595	5	530
	125	62/20 (40)	1.5	645	3.75	600	5	535
	150	62/20 (40)	2.5	640	5	615	7.5	545
	200	62/20 (40)	5	650	7.5	630	10	565
	250	62/20 (40)	5	670	10	650	15	580
	300	62/20 (40)	5	690	10	675	15	600
	400	62/20 (40)	10	730	15	710	15	640
500	62/20 (40)	10	730	15	710	15	640	
Rish Xmer 62/30 (40)								
XM11	50	62/30 (40)	-	-	-	-	1.25	400
	60	62/30 (40)	-	-	-	-	1.5	400
	75	62/30 (40)	-	-	-	-	2.5	400
	80	62/30 (40)	-	-	-	-	2	400
	100	62/30 (40)	1	460	1.5	455	3.75	405
	120	62/30 (40)	1	470	2.5	460	3.75	410
	125	62/30 (40)	1	470	2.5	460	3.75	415
	150	62/30 (40)	1.5	475	3.75	470	7.5	425
	200	62/30 (40)	3.75	490	5	480	10	435
	250	62/30 (40)	5	510	5	495	10	460
	300	62/30 (40)	3.75	525	10	515	15	470
	400	62/30 (40)	10	565	12.5	550	15	505
	500	62/30 (40)	10	570	12.5	560	15	510
	600	62/30 (40)	10	600	15	575	20	530
	750	62/30 (40)	10	630	15	590	15	545
	800	62/30 (40)	10	630	15	590	15	560
Rish Xmer 62/30 (50)								
XM12	50	62/30 (50)	-	-	-	-	1.5	590
	60	62/30 (50)	-	-	-	-	2.5	590
	75	62/30 (50)	-	-	2.5	615	2.5	590
	80	62/30 (50)	-	-	2.5	615	3.75	590
	100	62/30 (50)	1.25	665	2.5	645	5	615
	120	62/30 (50)	1.25	665	5	645	5	615
	125	62/30 (50)	1.25	665	5	645	5	615
	150	62/30 (50)	2	690	5	645	7.5	615
	200	62/30 (50)	3.75	690	10	645	15	615
	250	62/30 (50)	5	700	15	665	15	630
	300	62/30 (50)	5	700	15	665	15	630
	400	62/30 (50)	6.25	720	15	675	30	645
	500	62/30 (50)	7.5	730	15	700	30	675
	600	62/30 (50)	10	760	20	730	30	700
	750	62/30 (50)	10	845	20	805	30	780
	800	62/30 (50)	10	880	20	820	30	790

Busbar Type : Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 0.2		Class 0.5		Class 1	
			VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 62/40 (40)								
XM13	100	62/40 (40)	-	-	-	-	1.5	290
	120	62/40 (40)	-	-	-	-	1.5	295
	125	62/40 (40)	-	-	-	-	1.5	295
	150	62/40 (40)	-	-	-	-	2.5	300
	200	62/40 (40)	1	355	1.5	340	3.75	320
	250	62/40 (40)	1.5	365	2.5	355	5	335
	300	62/40 (40)	1.5	380	5	365	5	340
	400	62/40 (40)	2.5	410	5	395	5	340
	500	62/40 (40)	5	415	5	400	7.5	340
	600	62/40 (40)	7.5	430	7.5	405	10	340
	750	62/40 (40)	10	435	10	405	10	340
800	62/40 (40)	10	445	10	415	10	340	
Rish Xmer 74/20 (45)								
XM14	40	74/20 (45)	-	-	-	-	1.5	840
	50	74/20 (45)	-	-	1.0	920	2.5	840
	60	74/20 (45)	-	-	1.0	920	3.75	845
	75	74/20 (45)	-	-	1.5	920	5	845
	80	74/20 (45)	-	-	2.5	920	5	845
	100	74/20 (45)	1.5	810	5	780	7.5	760
	120	74/20 (45)	1.5	820	5	795	10	765
	125	74/20 (45)	1.5	840	5	810	10	765
	150	74/20 (45)	2.5	870	7.5	840	12.5	800
	200	74/20 (45)	5	670	10	640	15	615
	250	74/20 (45)	5	705	10	675	15	630
	300	74/20 (45)	7.5	720	15	690	15	640
	400	74/20 (45)	10	745	15	715	20	675
	500	74/20 (45)	10	745	15	715	15	675
	Rish Xmer 74/30 (45)							
XM15	40	74/30 (45)	-	-	-	-	1.5	745
	50	74/30 (45)	-	-	-	-	1.5	750
	60	74/30 (45)	-	-	-	-	2.5	750
	75	74/30 (45)	-	-	1.5	860	2.5	750
	80	74/30 (45)	-	-	1.5	765	3.75	750
	100	74/30 (45)	1.5	785	2.5	765	5	750
	120	74/30 (45)	1.5	630	2.5	610	5	550
	125	74/30 (45)	1.5	635	2.5	615	5	570
	150	74/30 (45)	1.5	605	5	590	7.5	580
	200	74/30 (45)	2.5	665	10	675	15	660
	250	74/30 (45)	2.5	690	10	680	15	660
	300	74/30 (45)	5	705	10	690	15	670
	400	74/30 (45)	7.5	770	15	745	20	690
	500	74/30 (45)	10	775	15	750	20	700
	600	74/30 (45)	15	780	15	760	20	715
	750	74/30 (45)	20	885	20	860	30	790
	800	74/30 (45)	30	900	30	880	30	810
Rish Xmer 74/40 (45)								
XM16	40	74/40 (45)	-	-	-	-	1	515
	50	74/40 (45)	-	-	-	-	1.5	520
	60	74/40 (45)	-	-	-	-	1.5	530
	75	74/40 (45)	-	-	-	-	2.5	530
	80	74/40 (45)	-	-	-	-	2.5	530
	100	74/40 (45)	-	-	1.5	610	3.75	540
	120	74/40 (45)	-	-	1.5	615	2.5	550
	125	74/40 (45)	-	-	1.5	555	2.5	550
	150	74/40 (45)	1	595	3.75	565	5	550
	200	74/40 (45)	2.5	610	5	580	10	555
	250	74/40 (45)	3.75	610	5	580	10	560
	300	74/40 (45)	5	615	10	585	15	565
	400	74/40 (45)	10	655	10	625	15	570
	500	74/40 (45)	10	685	15	655	20	595
	600	74/40 (45)	15	710	15	680	20	610
	750	74/40 (45)	15	715	15	680	20	615
	800	74/40 (45)	15	715	15	680	20	615
	1000	74/40 (45)	15	720	15	685	20	620

Busbar Type : Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 0.2		Class 0.5		Class 1	
			VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 74/50 (45)								
XM17	100	74/50 (45)	-	-	-	-	1.5	395
	120	74/50 (45)	-	-	-	-	1.5	405
	125	74/50 (45)	-	-	-	-	1.5	405
	150	74/50 (45)	-	-	-	-	2.5	415
	200	74/50 (45)	-	-	1.5	485	3.75	435
	250	74/50 (45)	1.5	515	2.5	485	5	445
	300	74/50 (45)	1.5	535	5	505	7.5	470
	400	74/50 (45)	2.5	535	5	505	7.5	475
	500	74/50 (45)	5	540	7.5	510	10	490
	600	74/50 (45)	7.5	550	10	520	12.5	510
	750	74/50 (45)	10	585	12.5	555	15	520
800	74/50 (45)	10	595	12.5	565	15	540	
1000	74/50 (45)	10	645	12.5	615	15	580	
Rish Xmer 86/40 (45)								
XM18	50	86/40 (45)	-	-	-	-	1.5	670
	60	86/40 (45)	-	-	-	-	1.5	670
	75	86/40 (45)	-	-	-	-	2.5	675
	80	86/40 (45)	-	-	-	-	2.5	675
	100	86/40 (45)	1.5	675	2.5	675	5	675
	120	86/40 (45)	1.5	690	2.5	675	5	675
	125	86/40 (45)	1.5	690	2.5	675	5	675
	150	86/40 (45)	2.5	655	5	600	10	555
	200	86/40 (45)	2.5	630	7.5	620	15	585
	250	86/40 (45)	5	690	7.5	675	15	610
	300	86/40 (45)	10	715	15	710	15	635
	400	86/40 (45)	15	750	15	740	20	670
	500	86/40 (45)	15	780	30	775	30	700
	600	86/40 (45)	15	800	30	790	30	715
	750	86/40 (45)	15	840	30	835	30	765
	800	86/40 (45)	15	860	30	835	30	630
1000	86/40 (45)	15	875	30	835	30	680	
Rish Xmer 86/50 (45)								
XM19	100	86/50 (45)	-	-	1	590	1.5	525
	120	86/50 (45)	-	-	1.5	590	2.5	530
	125	86/50 (45)	-	-	1.5	595	2.5	535
	150	86/50 (45)	-	-	2.5	600	5	540
	200	86/50 (45)	1	625	5	625	7.5	560
	250	86/50 (45)	1.5	625	7.5	640	10	575
	300	86/50 (45)	3.75	625	7.5	580	10	575
	400	86/50 (45)	10	635	15	580	15	575
	500	86/50 (45)	10	590	15	580	20	580
	600	86/50 (45)	15	615	15	580	20	585
	750	86/50 (45)	15	620	15	590	20	590
	800	86/50 (45)	12.5	730	20	700	30	645
	1000	86/50 (45)	20	780	30	750	30	700
	1200	86/50 (45)	20	725	30	700	30	655
1250	86/50 (45)	20	740	30	710	30	675	

Busbar Type : Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 0.2		Class 0.5		Class 1	
			VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 86/60 (45)								
XM20	100	86/60 (45)	-	-	-	-	1	520
	120	86/60 (45)	-	-	-	-	1.5	485
	125	86/60 (45)	-	-	-	-	2.5	485
	150	86/60 (45)	-	-	-	-	2.5	490
	200	86/60 (45)	-	-	1.5	570	3.75	515
	250	86/60 (45)	-	-	2.5	580	5	530
	300	86/60 (45)	1.5	640	5	600	7.5	545
	400	86/60 (45)	2.5	665	10	625	12.5	570
	500	86/60 (45)	3.75	665	10	625	15	575
	600	86/60 (45)	5	665	15	625	15	580
	750	86/60 (45)	10	710	15	670	20	615
	800	86/60 (45)	12.5	730	20	690	20	630
	1000	86/60 (45)	15	760	20	720	30	680
	1200	86/60 (45)	15	770	20	730	30	730
	1250	86/60 (45)	15	820	20	780	20	740
	1500	86/60 (45)	15	860	20	820	20	775
1600	86/60 (45)	15	885	20	845	20	800	
Rish Xmer 100/100V (45)								
XR01	400	100/100V (45)	-	-	2.5	885	5	800
	500	100/100V (45)	-	-	2.5	905	5	820
	600	100/100V (45)	-	-	2.5	930	5	840
	750	100/100V (45)	-	-	2.5	960	5	880
	800	100/100V (45)	-	-	5	970	10	890
	1000	100/100V (45)	5	1040	10	1020	15	935
	1200	100/100V (45)	5	1085	10	1065	15	985
	1250	100/100V (45)	5	1125	10	1075	15	995
	1500	100/100V (45)	5	1165	15	1145	30	1050
	1600	100/100V (45)	10	1245	15	1160	30	1095
	2000	100/100V (45)	10	1280	15	1260	30	1100
	2500	100/100V (45)	10	1375	15	1340	20	1120
	Rish Xmer 100/130V (45)							
XR02	400	100/130V(45)	-	-	2.5	945	5	850
	500	100/130V(45)	-	-	2.5	990	5	890
	600	100/130V(45)	-	-	2.5	1040	5	935
	750	100/130V(45)	-	-	2.5	1100	5	995
	800	100/130V(45)	-	-	5	1140	10	1025
	1000	100/130V(45)	-	-	10	1215	15	1105
	1200	100/130V(45)	-	-	10	1295	15	1180
	1250	100/130V(45)	-	-	10	1335	15	1220
	1500	100/130V(45)	5	1460	15	1435	30	1315
	1600	100/130V(45)	5	1515	15	1495	30	1370
	2000	100/130V(45)	5	1680	15	1540	30	1385
	2500	100/130V(45)	5	1855	15	1560	30	1415
	3000	100/130V(45)	5	1895	10	1590	12.5	1405
	3200	100/130V(45)	5	1895	10	1590	12.5	1420
	Rish Xmer 104/60 (45)							
XM21	100	104/60 (45)	-	-	-	-	1.5	685
	120	104/60 (45)	-	-	-	-	2.5	690
	125	104/60 (45)	-	-	-	-	2.5	690
	150	104/60 (45)	-	-	2.5	790	5	700
	200	104/60 (45)	1	845	5	810	10	720
	250	104/60 (45)	2.5	845	7.5	830	12.5	735
	300	104/60 (45)	3.75	860	10	845	15	755
	400	104/60 (45)	7.5	855	10	840	15	750
	500	104/60 (45)	10	810	15	795	20	760
	600	104/60 (45)	15	840	15	820	30	765
	750	104/60 (45)	15	885	20	860	30	785
	800	104/60 (45)	15	950	30	835	30	805
	1000	104/60 (45)	20	995	30	970	45	895
	1200	104/60 (45)	30	1025	30	1010	45	930
	1250	104/60 (45)	30	1045	30	1025	45	945
	1500	104/60 (45)	30	1090	30	1065	45	995
	1600	104/60 (45)	30	1115	30	1100	45	1020

Busbar Type : Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 0.2		Class 0.5		Class 1	
			VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 104/80 (45)								
XM22	200	104/80 (45)	-	-	-	-	1.5	525
	250	104/80 (45)	-	-	1.5	590	2.5	540
	300	104/80 (45)	-	-	2.5	615	7.5	560
	400	104/80 (45)	1.5	665	7.5	640	10	590
	500	104/80 (45)	5	600	10	580	10	595
	600	104/80 (45)	5	625	10	610	12.5	595
	750	104/80 (45)	5	690	15	675	15	620
	800	104/80 (45)	7.5	700	15	685	15	630
	1000	104/80 (45)	12.5	750	20	700	30	685
	1200	104/80 (45)	15	800	20	760	30	730
	1250	104/80 (45)	15	810	20	790	30	740
	1500	104/80 (45)	15	835	20	810	30	770
	1600	104/80 (45)	15	865	20	860	30	795
	2000	104/80 (45)	15	950	20	920	30	890
Rish Xmer 140/80 (45)								
XM23	200	140/80 (45)	-	-	2.5	785	5	700
	250	140/80 (45)	-	-	5	800	10	710
	300	140/80 (45)	1.5	830	7.5	810	15	725
	400	140/80 (45)	2.5	885	10	865	20	780
	500	140/80 (45)	5	1010	15	995	30	890
	600	140/80 (45)	7.5	1015	15	935	30	890
	750	140/80 (45)	10	1075	15	1060	45	950
	800	140/80 (45)	10	1095	15	1070	45	965
	1000	140/80 (45)	15	1150	30	1130	60	1025
	1200	140/80 (45)	15	1180	30	1155	60	1040
	1250	140/80 (45)	30	1210	60	1165	60	1050
	1500	140/80 (45)	30	1225	60	1180	60	1065
	1600	140/80 (45)	30	1260	60	1200	60	1085
	2000	140/80 (45)	30	1300	60	1245	60	1095
Rish Xmer 130/100 (50)								
XR06	600	130/100 (50)	2.5	1865	5	1690	10	1600
	750	130/100 (50)	5	1955	10	1690	10	1600
	800	130/100 (50)	7.5	2045	10	1690	10	1600
	1000	130/100 (50)	10	2045	15	1955	15	1690
	1200	130/100 (50)	10	2045	15	1955	15	1690
	1250	130/100 (50)	10	2130	15	1955	15	1690
	1500	130/100 (50)	15	2245	15	2130	15	1690
	1600	130/100 (50)	15	2245	15	2130	15	1845
	2000	130/100 (50)	15	2405	15	2290	15	2000
	2500	130/100 (50)	15	2485	15	2375	15	2155
	3000	130/100 (50)	15	2600	15	2490	15	2270
Rish Xmer 140/100H (45)								
XM24	200	140/100H (45)	-	-	1.5	760	3.75	675
	250	140/100H (45)	-	-	2.5	775	5	690
	300	140/100H (45)	-	-	3.75	800	7.5	710
	400	140/100H (45)	1.5	835	7.5	820	10	735
	500	140/100H (45)	2.5	860	10	845	12.5	770
	600	140/100H (45)	3.75	860	10	845	15	770
	750	140/100H (45)	5	900	15	885	20	810
	800	140/100H (45)	5	920	15	900	20	820
	1000	140/100H (45)	10	965	15	950	20	870
	1200	140/100H (45)	15	1020	15	1000	30	925
	1250	140/100H (45)	15	1030	15	1010	30	930
	1500	140/100H (45)	20	1095	20	1075	30	1000
	1600	140/100H (45)	20	1175	20	1100	45	1075
	2000	140/100H (45)	30	1285	45	1190	45	1180
	2500	140/100H (45)	30	1350	45	1295	45	1255
	3000	140/100H (45)	30	1475	60	1420	60	1385
	4000	140/100H (45)	30	1520	60	1505	60	1440

Busbar Type : Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 0.2		Class 0.5		Class 1	
			VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 140/100V(45)								
XM25	200	140/100V (45)	-	-	1.5	760	3.75	675
	250	140/100V (45)	-	-	2.5	775	5	690
	300	140/100V (45)	-	-	3.75	800	7.5	710
	400	140/100V (45)	1.5	835	10	820	10	735
	500	140/100V (45)	2.5	860	10	845	12.5	770
	600	140/100V (45)	3.75	860	12.5	845	15	770
	750	140/100V (45)	5	900	15	885	20	810
	800	140/100V (45)	5	920	15	900	20	820
	1000	140/100V (45)	10	965	15	950	20	870
	1200	140/100V (45)	15	1020	15	1000	30	925
	1250	140/100V (45)	15	1030	15	1010	30	930
	1500	140/100V (45)	20	1095	30	1075	30	1000
	1600	140/100V (45)	20	1175	45	1165	45	1075
	2000	140/100V (45)	30	1285	45	1275	45	1180
	2500	140/100V (45)	30	1345	45	1330	45	1255
3000	140/100V (45)	30	1475	60	1460	60	1385	
Rish Xmer 140/130V(45)								
XR03	400	140/130V (45)	-	-	3.75	1025	5	920
	500	140/130V (45)	-	-	3.75	1065	5	960
	600	140/130V (45)	-	-	3.75	1115	5	1005
	750	140/130V (45)	-	-	5	1180	7.5	1070
	800	140/130V (45)	-	-	5	1220	7.5	1105
	1000	140/130V (45)	5	1365	10	1300	10	1180
	1200	140/130V (45)	7.5	1445	10	1385	15	1265
	1250	140/130V (45)	7.5	1490	10	1430	15	1300
	1500	140/130V (45)	10	1595	15	1530	15	1400
	1600	140/130V (45)	10	1655	15	1595	15	1460
	2000	140/130V (45)	15	1810	20	1745	20	1530
	2500	140/130V (45)	15	1865	20	1745	20	1530
	3000	140/130V (45)	15	1885	20	1830	20	1630
	3200	140/130V (45)	15	1905	20	1845	20	1695
	4000	140/130V (45)	15	1965	20	1905	20	1735
5000	140/130V (45)	15	2015	20	1980	20	1800	
Rish Xmer 225/125(50)								
XR04	600	225/125 (50)	5	1385	5	1275	10	1165
	750	225/125 (50)	5	1370	10	1265	10	1165
	800	225/125 (50)	5	1375	10	1275	10	1170
	1000	225/125 (50)	10	1385	10	1285	15	1265
	1200	225/125 (50)	10	1430	10	1325	15	1310
	1250	225/125 (50)	10	1440	10	1370	15	1340
	1500	225/125 (50)	10	1485	15	1415	30	1380
	1600	225/125 (50)	10	1485	15	1420	30	1380
	2000	225/125 (50)	10	1505	15	1410	30	1380
	2500	225/125 (50)	15	1615	30	1515	30	1420
	3000	225/125 (50)	15	1695	30	1625	60	1595
	4000	225/125 (50)	30	1890	45	1725	60	1690
	5000	225/125 (50)	30	2110	100	2045	100	1965
	6000	225/125 (50)	60	2270	100	2185	100	2145
	Rish Xmer 225/167(50)							
XR05	1000	225/167 (50)	3.75	1260	5	1230	10	1145
	1200	225/167 (50)	5	1385	10	1360	15	1315
	1250	225/167 (50)	5	1395	10	1370	15	1325
	1500	225/167 (50)	10	1440	15	1415	30	1385
	1600	225/167 (50)	10	1465	15	1435	30	1405
	2000	225/167 (50)	10	1485	30	1465	30	1430
	2500	225/167 (50)	15	1600	30	1545	45	1520
	3000	225/167 (50)	15	1695	30	1630	45	1615
	4000	225/167 (50)	15	1750	30	1705	45	1690
	5000	225/167 (50)	20	1920	30	1865	45	1830
	6000	225/167 (50)	20	2070	30	1965	45	1895
	7500	225/167 (50)	20	2200	30	2110	45	2070

1. Please add INR 120 for 1A secondary current (Before ordering, please check feasibility with local sales office)
2. Please add INR 35 for DIN rail mounting Kit
3. For any Class 0.2S & 0.5S CT prices, please contact local sales office

Busbar Type – Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 5P5		Class 10P5		Class 5P10		Class 10P10	
			VA	LP (INR)	VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 86/50 (45)										
XP06	100	86/50 (45)	1.5	645	1.5	585	-	-	-	-
	150	86/50 (45)	1.75	685	1.75	620	-	-	-	-
	200	86/50 (45)	2.5	710	2.5	645	-	-	-	-
	250	86/50 (45)	3.75	745	3.75	685	-	-	-	-
	300	86/50 (45)	3.75	775	3.75	710	1	840	1	775
	400	86/50 (45)	5	805	5	735	1	865	1	805
	500	86/50 (45)	5	840	5	775	1	900	1	840
	600	86/50 (45)	5	865	5	805	1	930	1	865
	750	86/50 (45)	7.5	920	7.5	850	1.5	970	1.5	900
800	86/50 (45)	7.5	945	7.5	885	1.5	980	1.5	920	
Rish Xmer 104/30 (45)										
XP07	50	104/30 (45)	2.5	1475	2.5	1420	-	-	-	-
	60	104/30 (45)	2.5	1495	2.5	1430	-	-	1.5	1220
	75	104/30 (45)	2.5	1510	2.5	1445	-	-	1.5	1320
	80	104/30 (45)	2.5	1515	2.5	1455	1.5	1435	1.5	1350
	100	104/30 (45)	5	1535	5	1465	1.5	1455	2.5	1510
	125	104/30 (45)	5	1555	5	1495	1.5	1470	2.5	1525
	150	104/30 (45)	7.5	1590	7.5	1525	2.5	1510	2.5	1445
	200	104/30 (45)	10	1640	10	1580	3.75	1495	3.75	1495
	250	104/30 (45)	10	1695	10	1630	5	1620	5	1565
	300	104/30 (45)	10	1750	10	1690	5	1670	5	1620
	400	104/30 (45)	15	1860	15	1795	5	1780	5	1680
	500	104/30 (45)	15	1970	15	1905	7.5	1890	7.5	1840
	600	104/30 (45)	15	2075	15	2010	7.5	1935	10	1960
Rish Xmer 104/50 (45)										
XP08	150	104/50 (45)	2.5	1130	2.5	1120	-	-	-	-
	200	104/50 (45)	5	1140	5	1045	1.5	1155	1.5	1095
	250	104/50 (45)	5	1155	7.5	1205	2.5	1195	2.5	1120
	300	104/50 (45)	7.5	1315	7.5	1245	2.5	1230	2.5	1160
	400	104/50 (45)	7.5	1395	7.5	1330	2.5	1315	2.5	1245
	500	104/50 (45)	10	1475	10	1420	2.5	1400	2.5	1330
	600	104/50 (45)	10	1560	10	1500	2.5	1475	2.5	1395
	750	104/50 (45)	10	1680	10	1620	5	1610	5	1540
	800	104/50 (45)	10	1730	10	1665	5	1650	5	1580
	1000	104/50 (45)	10	1890	10	1825	5	1820	5	1745
Rish Xmer 104/60 (45)										
XP09	100	104/60 (45)	1.5	925	1.5	865	-	-	-	-
	150	104/60 (45)	2.5	960	2.5	895	1	915	1	835
	200	104/60 (45)	3.75	995	3.75	930	1	915	1	840
	250	104/60 (45)	5	1010	5	1060	1.5	955	1.5	885
	300	104/60 (45)	5	1060	5	1000	1.75	985	1.75	920
	400	104/60 (45)	7.5	1135	7.5	1075	1.75	1055	1.75	985
	500	104/60 (45)	7.5	1210	7.5	1145	1.75	1095	1.75	1030
	600	104/60 (45)	7.5	1275	7.5	1215	1.75	1125	1.75	1060
	750	104/60 (45)	10	1240	10	1180	1.75	1165	1.75	1100
	800	104/60 (45)	10	1275	10	1215	1.75	1200	1.75	1130

Busbar Type – Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 5P5		Class 10P5		Class 5P10		Class 10P10	
			VA	LP (INR)	VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 140/60 (45)										
XP10	200	140/60 (45)	7.5	2190	7.5	2130	2.5	2110	2.5	2045
	250	140/60 (45)	7.5	2245	7.5	2180	2.5	2165	2.5	2065
	300	140/60 (45)	10	2295	10	2235	3.75	2215	3.75	2095
	400	140/60 (45)	10	2405	10	2345	5	2325	5	2240
	500	140/60 (45)	10	2515	10	2450	5	2440	5	2315
	600	140/60 (45)	12.5	2625	12.5	2545	5	2545	5	2365
	750	140/60 (45)	12.5	2790	12.5	2705	5	2705	5	2500
	800	140/60 (45)	12.5	2840	12.5	2760	5	2760	5	2525
	1000	140/60 (45)	12.5	3055	12.5	3000	7.5	2980	7.5	2715
	1200	140/60 (45)	12.5	3280	12.5	3210	7.5	3200	7.5	2940
	1250	140/60 (45)	12.5	3330	12.5	3270	7.5	3250	7.5	3045
	1500	140/60 (45)	15	3605	15	3540	10	3525	10	3155
	1600	140/60 (45)	15	3710	15	3640	10	3635	10	3290
	2000	140/60 (45)	20	4145	20	4085	12.5	3855	12.5	3395
Rish Xmer 140/80 (45)										
XP11	200	140/80 (45)	5	1885	5	1820	2.5	1965	2.5	1905
	250	140/80 (45)	5	1935	5	1860	2.5	2005	2.5	1925
	300	140/80 (45)	7.5	1970	7.5	1905	3.75	2055	3.75	1960
	400	140/80 (45)	10	2065	10	1995	5	2150	5	2050
	500	140/80 (45)	10	2155	10	2080	5	2235	5	2115
	600	140/80 (45)	10	2245	10	2175	5	2315	5	2150
	750	140/80 (45)	10	2380	10	2310	5	2460	5	2190
	800	140/80 (45)	10	2420	10	2355	5	2500	5	2275
	1000	140/80 (45)	10	2450	10	2385	5	2340	5	2280
	1200	140/80 (45)	10	2500	10	2440	5	2350	5	2290
	1250	140/80 (45)	10	2525	10	2465	5	2385	5	2150
	1500	140/80 (45)	15	2565	15	2500	7.5	2580	7.5	2200
	1600	140/80 (45)	15	2590	15	2505	7.5	2660	7.5	2310
	2000	140/80 (45)	20	2715	20	2640	10	2965	10	2500
2500	140/80 (45)	20	2885	20	2735	10	3345	10	2885	
Rish Xmer 140/100 (45)										
XP12	250	140/100 (45)	2.5	1095	2.5	1030	-	-	-	-
	300	140/100 (45)	2.5	1125	2.5	1060	-	-	-	-
	400	140/100 (45)	3.75	1195	3.75	1125	-	-	-	-
	500	140/100 (45)	5	1250	5	1195	-	-	-	-
	600	140/100 (45)	5	1315	5	1250	1	1235	1	1170
	750	140/100 (45)	7.5	1420	7.5	1350	1	1340	1	1265
	800	140/100 (45)	7.5	1445	7.5	1380	1	1360	1	1305
	1000	140/100 (45)	10	1510	10	1445	1	1495	1	1430
	1200	140/100 (45)	10	1540	10	1470	1	1455	1	1380
	1250	140/100 (45)	10	1555	10	1495	1	1475	1	1410
	1500	140/100 (45)	10	1695	10	1635	1.25	1620	1.25	1555
	1600	140/100 (45)	10	1755	10	1695	1.25	1675	1.25	1615
	2000	140/100 (45)	10	1985	10	1930	1.25	1905	1.25	1845
	2500	140/100 (45)	10	2280	10	2205	1.25	2195	1.25	2130
3000	140/100 (45)	10	2565	10	2500	1.25	2480	1.25	2420	

Busbar Type – Rish Xmer
Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 5P5		Class 10P5		Class 5P10		Class 10P10	
			VA	LP (INR)	VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
Rish Xmer 225/60 (50)										
XP13	100	225/60 (50)	10	2670	10	2755	-	-	-	-
	150	225/60 (50)	10	2735	15	2615	5	2910	-	-
	200	225/60 (50)	10	2785	15	2640	7.5	2965	10	2900
	250	225/60 (50)	15	2885	15	2745	10	2990	15	2965
	300	225/60 (50)	15	3010	15	2845	10	3025	15	3070
	400	225/60 (50)	15	2970	15	2830	15	3035	15	2895
	500	225/60 (50)	15	2990	15	2860	15	3135	15	2990
	600	225/60 (50)	15	3035	15	2910	15	3235	15	3095
	750	225/60 (50)	15	3095	15	2970	15	3395	15	3245
	800	225/60 (50)	15	3160	15	3035	15	3435	15	3290
	1000	225/60 (50)	15	3285	15	3145	15	3640	15	3495
	1200	225/60 (50)	15	3435	15	3310	15	3725	15	3580
	1250	225/60 (50)	15	3450	15	3325	15	3745	15	3600
	1500	225/60 (50)	15	3580	15	3450	15	3835	15	3700
2000	225/60 (50)	15	3675	15	3545	15	4065	15	3925	
Rish Xmer 225/125 (50)										
XP14	600	225/125 (50)	5	1710	5	1560	-	-	-	-
	750	225/125 (50)	5	1765	10	1925	-	-	-	-
	800	225/125 (50)	5	1785	10	1935	-	-	-	-
	1000	225/125 (50)	10	2000	10	1855	-	-	-	-
	1200	225/125 (50)	10	2150	15	2335	1.5	2315	2.5	2280
	1250	225/125 (50)	10	2165	15	2370	1.5	2355	2.5	2290
	1500	225/125 (50)	15	2310	15	2150	2.5	2310	2.5	2300
	1600	225/125 (50)	15	2385	15	2245	2.5	2310	2.5	2300
	2000	225/125 (50)	15	2545	15	2385	3.75	2640	5	2670
	2500	225/125 (50)	15	2640	15	2480	5	2910	7.5	2965
	3000	225/125 (50)	15	2795	20	2845	5	3045	7.5	3175
	4000	225/125 (50)	15	2900	20	2965	5	3105	7.5	3285
5000	225/125 (50)	20	3105	20	2910	5	3260	10	3410	
Rish Xmer 225/167 (50)										
XP15	1000	225/167 (50)	5	2165	5	1970	-	-	-	-
	1200	225/167 (50)	5	2180	7.5	2205	1.5	2370	2.5	2315
	1250	225/167 (50)	5	2245	7.5	2245	1.5	2400	2.5	2355
	1500	225/167 (50)	5	2310	7.5	2335	2.5	2445	3.75	2440
	1600	225/167 (50)	5	2335	7.5	2370	2.5	2485	3.75	2420
	2000	225/167 (50)	7.5	2525	12.5	2565	3.75	2705	5	2735
	2500	225/167 (50)	10	2625	15	2690	3.75	2755	7.5	2715
	3000	225/167 (50)	15	2715	20	2815	7.5	3070	10	3045
	4000	225/167 (50)	20	3045	20	2865	7.5	3360	12.5	3360
	5000	225/167 (50)	20	3235	20	3025	7.5	3345	12.5	3435
	6000	225/167 (50)	20	3250	20	3040	7.5	3365	12.5	3455

Note :-

1. Please add INR 120 for 1A secondary current (Before ordering, please check feasibility with local sales office)
2. Please add INR 35 for DIN rail Mounting Kit
3. For any non-standard item, please contact local sales office

TW-E series (without encapsulation)

Standard Secondary current: 5A

Group	Primary Current (A)	Type OD/ID (Axial)	Class 5P10	
			VA	LP (INR)
Protection Class CT (Rish TW-E Series)				
XP01	100	140 / 30 (140)	15	6055
	150	140 / 30 (100)	15	3710
	200	140 / 50 (100)	15	3135
	250	140 / 50 (90)	15	3135
	400	140 / 60 (80)	15	1820
	600	140 / 60 (60)	15	1710
	800	140 / 80 (80)	15	1735
	1000	160 / 105 (70)	15	1790
	1200	160 / 105 (70)	15	1820
	1250	160 / 105 (70)	15	1820
	1600	180 / 115 (50)	15	1870
	2000	185 / 130 (50)	15	1905

Note :-

1. Please add INR 120 for 1A secondary current (Before ordering, please check feasibility with local sales office)
2. For any non-standard item, please contact local sales office



TW series CT

Standard Secondary current : 5 A

Group	Primary Current (A)	Class 0.2		Class 0.5S		Class 0.5		Class 1	
		VA	LP (INR)	VA	LP (INR)	VA	LP (INR)	VA	LP (INR)
TW-1 : OD X ID X HT:- 73 X 30 X 40mm									
TW01	50	-	-	-	-	-	-	1.5	350
	60	-	-	-	-	-	-	1.5	350
	75	-	-	-	-	-	-	1.5	350
	80	-	-	-	-	-	-	1.5	350
	100	-	-	-	-	1.5	390	2.5	350
	120	-	-	-	-	1.5	390	2.5	375
	125	-	-	-	-	2.5	410	3.75	390
	150	-	-	-	-	2.5	420	5	410
200	-	-	-	-	5	435	10	410	
TW-2 : OD X ID X HT:- 73 X 30 X 50mm									
TW02	50	-	-	-	-	-	-	1.5	425
	60	-	-	-	-	-	-	1.5	435
	75	-	-	-	-	1.5	455	2.5	435
	80	-	-	-	-	1.5	455	2.5	435
	100	-	-	-	-	2.5	470	5	450
	120	-	-	-	-	2.5	470	5	455
	125	-	-	-	-	2.5	470	5	455
	150	-	-	2.5	485	5	470	10	470
200	2.5	525	5	500	10	485	15	485	
TW-3 : OD X ID X HT:- 92 X 43 X 41mm									
TW03	75	-	-	-	-	-	-	1	485
	80	-	-	-	-	-	-	1.5	490
	100	-	-	-	-	1	495	2.5	500
	120	-	-	-	-	1	495	2.5	505
	125	-	-	-	-	1	495	2.5	505
	150	-	-	-	-	1.5	505	3.75	505
	200	1.5	605	5	570	5	510	10	505
	250	2.5	615	7.5	585	7.5	515	15	505
300	3.75	630	10	585	10	520	20	505	
TW-4 : ODX ID X HT:- 100 X 58 X 41mm									
TW04	120	-	-	-	-	-	-	1	450
	125	-	-	-	-	-	-	1.5	450
	150	-	-	-	-	1	455	2.5	450
	200	-	-	1.5	480	2.5	455	5	450
	250	-	-	2.5	500	3.75	480	7.5	480
	300	-	-	3.75	515	5	490	10	480
	400	5	555	7.5	500	10	450	20	480
	500	7.5	575	10	510	15	480	25	480
600	10	595	15	520	15	495	25	495	
TW-5 : OD X ID X HT:- 110 X 72 X 41mm									
TW05	200	-	-	-	-	-	-	1.5	480
	250	-	-	-	-	1.5	505	2.5	505
	300	-	-	-	-	2.5	525	5	525
	400	2.5	585	5	565	7.5	545	12.5	545
	500	3.75	610	7.5	585	10	575	15	575
	600	5	625	7.5	605	10	590	15	590
	800	10	640	15	620	15	605	30	605
	1000	10	650	15	640	15	630	30	630
TW-6 : OD X ID X HT:- 159 X 113 X 40mm									
TW06	600	1.5	715	3.75	705	5	690	10	690
	800	2.5	725	7.5	715	10	705	15	705
	1000	3.75	750	7.5	725	10	715	15	715
	1200	15	785	15	770	20	760	30	760
	1250	15	805	15	800	20	795	30	795
	1500	15	830	15	830	20	825	30	825
	1600	15	865	15	860	20	855	30	855
	2000	15	905	20	885	25	875	45	875
	2500	15	955	20	950	25	945	45	940
	3000	15	1030	25	1020	30	1010	45	1000
3200	15	1100	25	1065	30	1060	45	1045	

Sr. No.	Accessories (Optional) - Wall Mounting Bracket	OD/ID (AXIAL)	LP (INR)
1	TW-2	73/30 (50)	45
2	TW-3	92/43 (41)	50
3	TW-4	100/58 (41)	60
4	TW-5	110/72 (41)	60
5	TW-6	159/113 (40)	65

Note :-

1. Please add INR 120 for 1A secondary current (Before ordering, please check feasibility with local sales office)

2. For any non-standard item, please contact local sales office

TW-E series CT

Standard Secondary current : 5 A

Group	Primary Current (A)	Class 0.5		Class 1	
		VA	LP (INR)	VA	LP (INR)
OD X ID X HT:- 73 X 30 X 50mm					
TE01	50	-	-	-	-
	60	-	-	-	-
	75	-	-	-	-
	100	2.5	525	5	380
	150	5	525	5	380
	200	5	385	5	380
	200	10	525	15	390
OD X ID XHT:- 80 X 30 X 100mm (Without Encapsulation)					
TE02	100	2.5	700	10	565
	100	-	-	15	1375
	150	5	1305	15	1160
OD X ID XHT:- 92 X 43 X 41mm					
TE03	200	5	405	5	380
	200	-	-	10	405
	200	-	-	15	680
	250	5	405	5	380
	250	7.5	575	10	435
	250	-	-	15	680
	300	5	425	5	385
	300	10	600	10	470
	300	-	-	15	600
	400	-	-	5	395
	400	-	-	15	530
OD X ID XHT:- 95 X 50 X 40mm					
TE04	200	5	490	5	370
	200	-	-	10	410
	200	-	-	15	700
	250	5	450	5	390
	250	7.5	640	10	505
	250	-	-	15	725
	300	5	460	5	435
	300	10	675	10	530
	300	-	-	15	660
OD X ID XHT:- 100 x 58 x 41mm					
TE05	400	5	410	5	385
	400	10	580	15	435
	500	5	410	5	385
	500	10	435	10	410
	500	15	580	15	435
	600	5	410	5	385
	600	10	435	10	435
	600	15	580	15	435
OD X ID XHT:- 110 x 72 x 41mm					
TE06	800	5	415	5	385
	800	10	430	10	410
	800	15	550	15	415
	1000	5	430	5	395
	1000	15	605	15	470

Group	Primary Current (A)	Class 0.5		Class 1	
		VA	LP (INR)	VA	LP (INR)
OD X ID XHT:- 135 x 85 x 30mm					
TE07	800	5	410	5	395
	800	10	440	10	430
	800	15	675	15	530
	1000	5	410	5	385
	1000	15	675	15	530
	1200	-	-	15	580
OD X ID XHT:- 159 x 113 x 40mm					
TE08	1200	15	675	15	530
	1500	15	810	15	675
	1600	15	840	15	700
	2000	15	910	15	775
OD X ID XHT:- 165 X 130 X 30mm					
TE09	2400	15	1005	15	865
	2500	15	1005	15	865
	3000	15	1090	15	945
OD X ID XHT:- 190 X 150 X 40mm (Without Encapsulation)					
TE10	3200	15	1305	15	1170
OD X ID XHT:- 235 X 200 X 35mm (Without Encapsulation)					
TE11	4000	-	-	15	1590
	5000	-	-	15	2115
Accessories (Optional) - Wall Mounting Bracket					
Sr. No.	OD/ID (AXIAL)				LP (INR)
1	73/30 (50)				45
2	92/43 (41)				50
3	100/58 (41)				60
4	110/72 (41)				60
5	159/113 (40)				65

Notes :-

1. Please add INR 120 for 1A secondary current (Before ordering, please check feasibility with local sales office)
2. Please add INR 35 for Busbar Mounting Kit
3. For any non-standard item, please contact local sales office

Summation CT
Standard Secondary current: 5A

Group	Primary Current (A)	Type	Class 0.5		Class 1	
			VA	LP (INR)	VA	LP (INR)
XU01	5+5	Rish Xmer Sigma 75	5	1255	5	1125
			10	1265	10	1140
			15	1290	15	1165
			-	-	20	1265
			-	-	25	1290
	5+5+5		5	1330	5	1140
			10	1345	10	1160
			15	1370	15	1185
			-	-	20	1345
			-	-	25	1370
	5+5+5+5		5	1380	5	1150
			10	1400	10	1165
			15	1410	15	1185
			-	-	20	1395
			-	-	25	1410
	5+5+5+5+5		5	1450	5	1245
			10	1465	10	1265
			15	1505	15	1285
			-	-	20	1465
			-	-	25	1505
	5+5+5+5+5+5		5	1510	5	1275
			10	1530	10	1290
			15	1550	15	1305
			-	-	20	1530
-		-	25	1550		
5+5+5+5+5+5+5	5	1530	5	1315		
	10	1550	10	1340		
	15	1570	15	1355		
	-	-	20	1550		
	-	-	25	1570		
5+5+5+5+5+5+5+5	5	1590	5	1390		
	10	1625	10	1420		
	15	1660	15	1440		
	-	-	20	1615		
	-	-	25	1660		

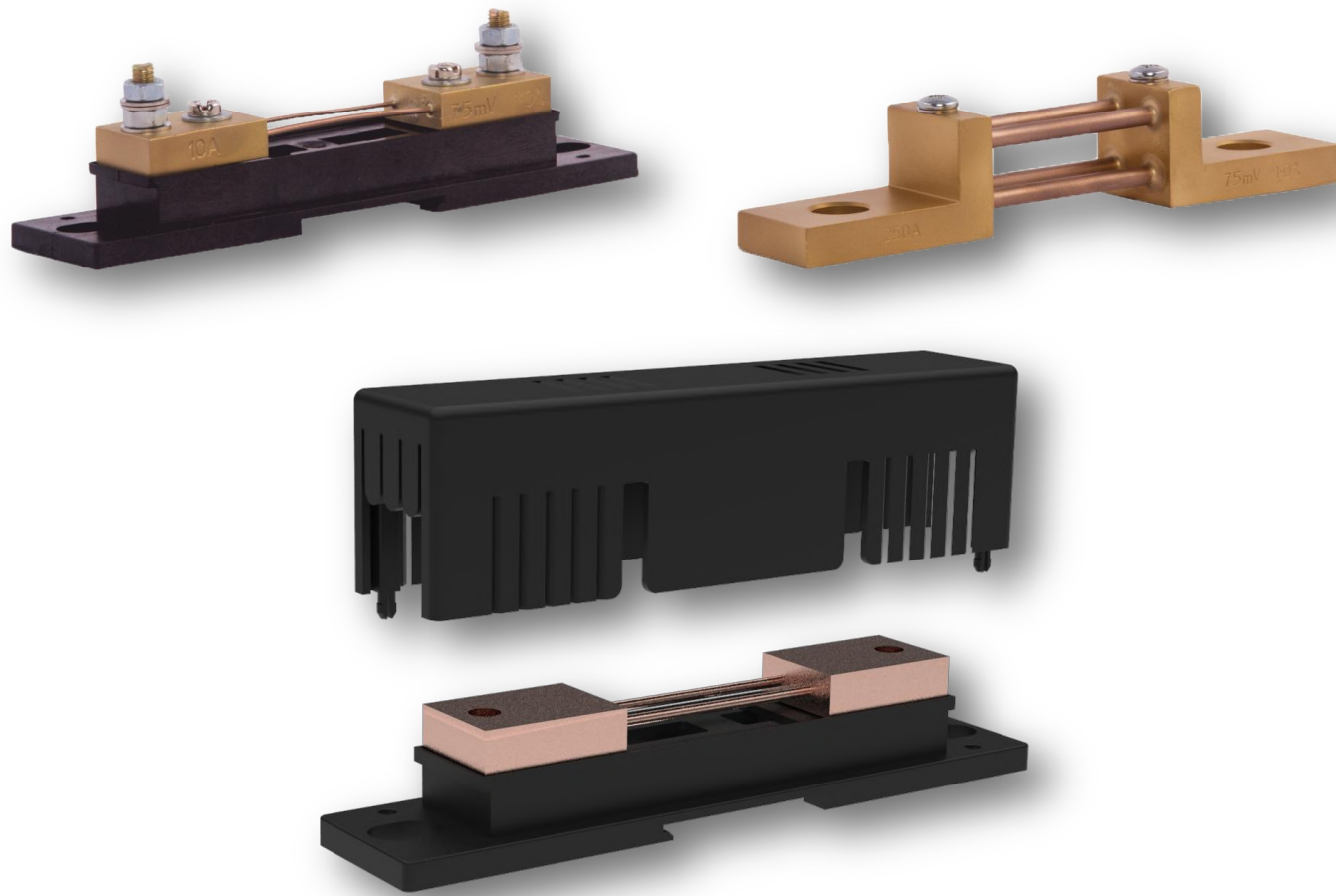


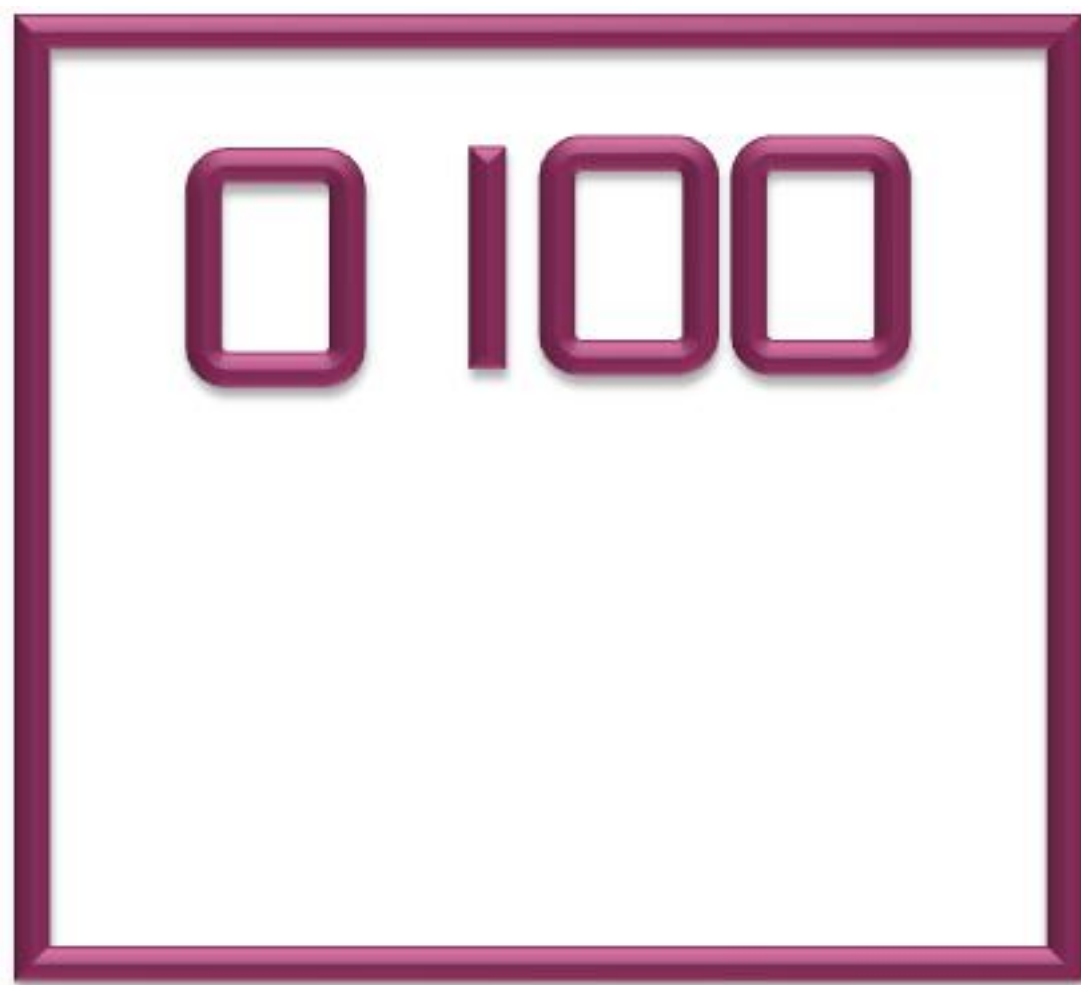
Accuracy Class 0.5

Group	Current Rating (A)	LP (INR)		
		50/60/75mV	100mV	150mV
YN01	1	220	335	385
	5	220	360	385
	10	220	360	385
	15	220	405	430
	20	220	405	430
	25	260	405	430
	30	260	420	455
	40	260	420	465
	50	260	420	530
	60	260	450	665
	75	260	475	765
	100	330	570	895
	125	410	730	945
	150	410	730	1100
	175	720	910	1295
	200	735	980	1395
	250	810	1100	1610
	300	1050	1270	1880
	400	1155	1570	2165
	500	1205	1685	2410
	600	1275	1890	2735
	750	1420	1980	3265
	800	2020	2950	4470
	1000	2660	3030	5220
	1200	3100	3610	7450
	1250	3755	4300	7590
	1500	4580	5070	8980
	2000	4830	6265	13350
	2500	5400	7690	14720
	3000	5555	9275	15525
4000	7755	13645	19535	
5000	12650	17230	24920	
6000	22105	24095	35345	
7500	26775	32950	44610	
10000	52355	66510	71380	
15000	89385	97990	107340	

Notes :

1. For 0.2 CI Shunt (upto 2500A), multiply the standard price by 1.3
2. For any non-standard item, please contact local sales office





Digital Expertise

Model	KMAT	Size	Description	Auxiliary Supply	LP (INR)
Programmable AC Ammeter					
Rish Eine I	EP99	48 x 96 x 68 mm	Input : 1A /5A (Programmable) Display : 14 mm LED Display 1 Phase Network Accuracy Class : 1.0 4 Digit	40...300V AC/DC 20...40V AC / 20...60V DC	770
		96 x 96 x 40 mm	Input 1A /5A (Programmable) Display : 14 mm LED Display 3Ph 3W/4W Network Accuracy Class : 1.0 4 Digit		1270
		48 x 96 x 68 mm	Input : 100mA (Primary - 63 / 125 / 250A programmable) Display : 14 mm LED Display 3Ph 3W/4W Network Accuracy Class : 0.5 4 Digit		1400
Programmable AC Voltmeter					
Rish Eine V	EP99	48 x 96 x 68 mm	Input : 57.5 -300 V L-N (Programmable) & 600VLN (Fixed) Display : 14 mm LED Display 1 Phase Network Accuracy Class : 1.0 4 Digit	40...300V AC/DC 20...40V AC / 20...60V DC	770
		96 x 96 x 40 mm	Input : 100- 500 V L-L (Programmable) Display : 14 mm LED Display 3Ph 3W/4W Network Accuracy Class : 1.0 4 Digit		1270
Non- Programmable AC Ammeter					
Rish ACI	DA14	72 x 144 x 94 mm	Input : 1 / 5A (To be specified while ordering only) Display : 26 mm LED Display Single Phase Network Accuracy Class : 1 4 1/2 Digit	110 / 230V AC	3600
				24 / 110 / 220V DC	4550
Non- Programmable AC Voltmeter					
Rish ACV	DA14	72 x 144 x 94 mm	Input : 110 / 240 / 500V (To be specified while ordering only) Display : 26 mm LED Display Single Phase Network Accuracy Class : 1 4 1/2 Digit	110 / 230V AC	3600
				24 / 110 / 220V DC	4550
Optional Accessories			Accuracy Class 0.5 for Rish Eine & Rish ACI / ACV 72x144		210
			400Hz for Rish Eine & ACI/ACV 72 x 144 only		200
			Side mounting clamp (Applicable for 96 x 96mm size)		20
Programmable DC Ammeter					
Rish Eine +	EI99	96 x 96 x 40 mm 48 x 96 x 75 mm	Input : -10...0...+10mA / -20...0...+20mA / 4...20mA / -1...0...+1A / -5...0...+5A Accuracy Class : 0.5 4 Digit (Input range to be specified while ordering only)	40...300VAC/DC or 20...40VAC & 20...60VDC	1180

Model	KMAT	Size	Description	Auxiliary Supply	LP (INR)
Non - Programmable DC Ammeter					
Rish ADC	DD14	48 x 96 x 138 mm	Input : 0 - 20 & 4 - 20mA Display : 14 mm LED Display Accuracy Class : 0.1 4 1/2 Digit	110 / 230V AC	1980
				24 / 110 V DC	2590
Rish ADC	DD14	96 x 96 x 55 mm	Input : 0 - 20 & 4 - 20mA Display : 14 mm LED Display Accuracy Class : 0.1 4 1/2 Digit	110 / 230V AC	2100
				24 / 110 V DC	2680
Rish ADC	DD14	72 x 144 x 94 mm	Input : 0 - 20 & 4 - 20mA Display : 26 mm LED Display Accuracy Class : 0.1 4 1/2 Digit	110 / 230V AC	3950
				24 / 110 V DC	4640
Programmable DC Voltmeter					
Rish Eine +	EI99	96 x 96 x 40 mm 48 x 96 x 75 mm	Input : -75...0...+75mV / -150...0...+150mV / -5...0...+5V / -10...0...+10V / 0...500V / 0...1000V Accuracy Class : 0.5 4 Digit (Input range to be specified while ordering only)	40...300VAC/DC or 20...40VAC & 20...60VDC	1180
Non - Programmable DC Voltmeters					
Rish VDC C	DD14	48 x 96 x 138 mm	Input : 0 - 60 / 75 / 150 / 200mV Display : 14 mm LED Display Accuracy Class : 0.1 4 1/2 Digit	110 / 230V AC	2040
				24 / 110 V DC	2660
Rish VDC F	DD14	48 x 96 x 138 mm	Input : 0 - 2 / 20 / 200 / 500 / 1000V Display : 14 mm LED Display Accuracy Class : 0.1 4 1/2 Digit	110 / 230V AC	2130
				24 / 110 V DC	2790
Rish VDC C	DD14	96 x 96 x 55 mm	Input : 0 - 60 / 75 / 150 / 200mV Display : 14 mm LED Display Accuracy Class : 0.1 4 1/2 Digit	110 / 230V AC	2130
				24 / 110 V DC	2760
Rish VDC F	DD14	96 x 96 x 55 mm	Input : 0 - 2 / 20 / 200 / 500 / 1000V Display : 14 mm LED Display Accuracy Class : 0.1 4 1/2 Digit	110 / 230V AC	2130
				24 / 110 V DC	2760
Rish VDC C	DD14	72 x 144 x 94 mm	Input : 0 - 60 / 75 / 150 / 200mV Display : 26 mm LED Display Accuracy Class : 0.1 4 1/2 Digit	110 / 230V AC	3910
				24 / 110 V DC	4590
Rish VDC F	DD14	72 x 144 x 94 mm	Input : 0 - 2 / 20 / 200 / 500 / 1000V Display : 26 mm LED Display Accuracy Class : 0.1 4 1/2 Digit	110 / 230V AC	3910
				24 / 110 V DC	4590



Model	KMAT	Size	Description	Auxiliary Supply	LP (INR)
Power DPM					
Power DPM	PP44	96 x 96 x 80 mm	Input : 63.5 / 133 / 239.6 / 254V L-N 110 / 230 / 415 / 440V L-L & 1 or 5A Display : 11 mm or 20 mm LED Display Single & 3Ph 3W/4W Network Accuracy Class : 1) KW / KVA - $\pm 0.5\%$ of range 2) KVAR - $\pm 1\%$ of range Power Range : Max 250MVA according to CT/PT Ratio 4 Digit	110 / 230VAC	3740
				12 - 48VDC 100 - 250 VAC/DC	4500
Power DPM	PP44	72 x 144 x 78 mm	Input : 63.5 / 133 / 239.6 / 254V L-N 110 / 230 / 415 / 440V L-L & 1 or 5A Display : 26 mm LED Display Single & 3Ph 3W/4W Network Accuracy Class : 1) KW / KVA - $\pm 0.5\%$ of range 2) KVAR - $\pm 1\%$ of range Power Range : Max 250MVA according to CT/PT Ratio 4 Digit	45...300VAC/DC or 20...40VAC & 20...60VDC	5040
Power Factor DPM					
PF DPM	PF44	96 x 96 x 80 mm	Input : 63.5 / 133 / 239.6 / 254V L-N 110 / 230 / 415 / 440V L-L & 1 or 5A Display : 11 mm or 20 mm LED Display Single & 3Ph 3W/4W Network Accuracy Class : $\pm 2^\circ$ 4 Digit	110 / 230VAC	3910
				12 - 48VDC 100 - 250 VAC/DC	4500
PF DPM	PF44	72 x 144 x 78 mm	Input : 63.5 / 133 / 239.6 / 254V L-N & 5A 110 / 230 / 415 / 440V L-L & 5A Display : 26 mm LED Display Single & 3Ph 3W/4W Network Accuracy Class : $\pm 2^\circ$ 4 Digit	45...300VAC/DC or 20...40VAC & 20...60VDC	5180
Frequency DPM					
Rish DPM Hz	DH10	48 x 96 x 68 mm	Input : 50...500V Range: 10...500Hz Accuracy : $\pm 0.5\text{Hz} \pm 1$ Digit 4 Digit	40...300V AC/DC 20...40V AC / 20...60V DC	1290
Rish DPM Hz	DH10	96 x 96 x 55 mm			
Rish DPM Hz	DH10	72 x 144 x 78 mm			
Optional Accessories			Side mounting clamp (Applicable for 96 x 96mm size)		20



KMAT	Model	Description	Auxiliary Supply	LP (INR)
LED Meters				
Basic Range				
VF10	Rish Optima VAF	Input : 100...500 V L-L 1 / 5A 3 Line LED Display 3Digit Single Ph & 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + RH + OH + NI + MM + RPM	40 - 300V AC/DC or 20-40 V AC/20-60 V DC	1500
DL10	Rish Delta VAF	Input : 100...500 V L-L 1 / 5A 3 Line LED Display Single Ph & 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + RH + OH + NI + MM + RPM		2050
DL20	Rish Delta Power	Input : 100...500 V L-L 1 / 5A 3 Line LED Display Single Ph & 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + PF + PA + RH + OH + NI + MM + RPM	40 - 300V AC/DC or 12- 48 V DC	3090
DL30	Rish Delta Energy	Input : 100...500 V L-L 1 / 5A 3 Line LED Display Single Ph & 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + RPM + DM + MD		5330
AC Energy Meter				
EM90	EM 3490	Input : 110 / 230 / 415 / 440 V L-L for 3Ph 3W/4W or 110 / 240 V L-N for Single Phase 1A / 5A Counter type Energy Meter with Fixed CT Ratio Accuracy Class : 1 Parameters : kWh	Self Powered AC	3340
EM91	EM 3490SS	Input : 110 / 230 / 415 / 440 V L-L 1 / 5A Energy Meter with LED Display Single Ph & 3Ph 3W/4W Network Accuracy Class : 1 Parameters : kWh	110V/230V/380V AC or 12 - 48V DC / 100-250V AC/DC	4030
EM92	EM 3490DS	Input : 110 / 230 / 415 V L-L 1 / 5A Dual Source Energy Meter with LED Display Single Ph & 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + kW + kVA + kWh + kVAh + PF + RH + OH + NI		5060
DC Energy Meter				
EM 93	Rish EMDC -6001	Basic Model 6001 4 Channel (without USB RTC & In-built Memory for Data logging) Input Voltage : 10-60 / 61-200 / 201-1000V DC Accuracy Class : 1 Parameters : VA + kW + kWh + RH + OH + NI + DM	60...300V AC/DC or 12 - 70 VDC	7190
EM 93	Rish EMDC -6002	Higher Model 6002 4 Channel (with USB + RTC + In-built Memory for Data logging) Input Voltage : 10-60 / 61-200 / 201-1000V DC Accuracy Class : 1 Parameters : VA + kW + kWh + RH + OH + NI + DM + MD		10070
Advanced Range				
MA3A	Rish Master 3430	Input : On site Programmable (Voltage - 57.7 - 346 VL-N) (Current - 1/5A) Single Phase Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + MM + NC + THD	60- 300V AC/DC or 12-60 V AC/DC #	6110
		Input : On site Programmable (Voltage - 100 - 600 V L-L) (Current - 1/5A) 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + MM + NC + THD		6470

For Ethernet port the aux will be 65...300V AC/DC

KMAT	Model	Description	Auxiliary Supply	LP (INR)
MA4A	Rish Master 3440	Input : On site Programmable (Voltage - 57.7 - 346 VL-N) (Current - 1/5A) Single Phase Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD	60- 300V AC/DC or 12-60 V AC/DC #	7920
		Input : On site Programmable (Voltage - 100 - 600 V L-L) (Current - 1/5A) 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD		8620
LCD Meters				
WHOP	Rish EM 1320	Input : 100...500 V L-L 1 / 5A Single Phase 3Ph 3W/4W Network with LCD Display Accuracy Class : 1 Parameters : kWh	60...300VAC/DC 20...40VAC or 20...60VDC	2600
WHOP	Rish EM 1330	Input : 100...500 V L-L 1 / 5A Single Phase 3Ph 3W/4W Network with LCD Display Accuracy Class : 1 Parameters : VAF + kW + kWh + PF + PA + RH + OH + NI + MM + NC		3000
WHOP	Rish EM 1340	Input : 100...500 V L-L 1 / 5A Single Phase 3Ph 3W/4W Network with LCD Display Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD		4610
WHOP	Rish EM 2340DS	Input : 100...500 V L-L 1 / 5A Dual Source Energy Meter with LCD Display Single Phase 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD		3520
MA4L	Rish LM 1350	Input : On site Programmable (Voltage - 100 - 600 V L-L) (Current - 1/5A) Big LCD Display 3Ph 3W/4W Network Accuracy Class : 0.5S Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + NC + THD + RPM	100-550V AC/DC or 12-60V AC/DC	7500
		Input : On site Programmable (Voltage - 100 - 600 V L-L) (Current - 100mA over RJ12) Big LCD Display 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + NC + THD + RPM		6500
MA4L	Rish LM 1360	Input : On site Programmable (Voltage - 100 - 600 V L-L) (Current - 1/5A) Big LCD Display 3Ph 3W/4W Network Accuracy Class : 0.5S Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD + RPM + IH		8500
		Input : On site Programmable (Voltage - 100 - 600 V L-L) (Current - 100mA over RJ12) Big LCD Display 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD + RPM + IH		7500

Aux supply will be 100-550 VAC/DC for accuracy class 0.2s & for Ethernet port the aux will be 65...300V AC/DC



KMAT	Model	Description	Auxiliary Supply	LP (INR)		
Touch Screen Meters						
MA3I	Rish Master 3430 i	Input : On site Programmable (Voltage - 57.7 - 346 VL-N) (Current - 1/5A) Single Phase Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + MM + NC + THD	60- 300V AC/DC or 12-60 V AC/DC #	7860		
		Input : On site Programmable (Voltage - 100 - 600 V L-L) (Current - 1/5A) 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + MM + NC + THD		8390		
MA4I	Rish Master 3440 i	Input : On site Programmable (Voltage - 57.7 - 346 VL-N) (Current - 1/5A) Single Phase Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD		100-550V AC/DC or 12-60V AC/DC	10010	
		Input : On site Programmable (Voltage - 100 - 600 V L-L) (Current - 1/5A) 3Ph 3W/4W Network Accuracy Class : 1 Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD			10540	
MA4S	Rish Master 3440 iDL	Input : On site Programmable (Voltage - 100 - 600 V L-L) (Current - 1/5A) 3Ph 3W/4W Network With Data logging  Accuracy Class : 0.2s Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD + IH + RTC Output - RS485 - 2 Pulse Output			100-550V AC/DC or 12-60V AC/DC	16240
		Input : On site Programmable (Voltage - 100 - 600 V L-L) (Current - 1/5A) 3Ph 3W/4W Network With Data logging Accuracy Class : 0.2s Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD + IH + RTC Output - RS485 - 1 Pulse Output - 2 Analog Output				18000
		Input : On site Programmable (Voltage - 100 - 600 V L-L) (Current - 1/5A) 3Ph 3W/4W Network With Data logging Accuracy Class : 0.2s Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD + IH + RTC Output - Ethernet (MODBUS TCP/IP)	20770			
Power Quality Monitor						
PA00	Rish PQM	Input : On site Programmable (Voltage - 100 up to 500 V L-L) (Current - 1/5A) 3Ph 3W/4W Network Accuracy Class : 0.5s Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD + IH + RTC + SG + SW + OC	60-300V AC/DC	14820		
Advanced Dual Source Energy Meter						
WH10	Rish 3490DS i	Input : On site Programmable (Voltage - 100 up to 500 V L-L) (Current - 1/5A) 3Ph 3W/4W Network or 1 Phase Accuracy Class : 0.5s Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD + IH + RTC + GE	60-300V AC/DC	15630		
Smart Demand Controller						
DM82	Rish DMC i	Input : On site Programmable (Voltage - 100 up to 500 V L-L) (Current - 1/5A) 3Ph 3W/4W Network or 1 Phase Accuracy Class : 0.5s with 4 Relay output Parameters : VAF + kW + kVAr + kVA + kWh + kVArh + kVAh + PF + PA + RH + OH + NI + MM + DM + MD + NC + THD + IH + RTC	60-300V AC/DC	23970		

Aux supply will be 100-550 VAC/DC for accuracy class 0.2s & for Ethernet port the aux will be 65...300V AC/DC

KMAT	Model	Description	Auxiliary Supply	LP (INR)
Power Quality Analyzer				
PA10	Rish PQA	Input : Voltage - 100 up to 866 V L-L Current - 1/5A 3Ph 3W/4W Network Accuracy Class : 0.2s, External memory card, 2 Relay, RS 485 Parameters : Refer to the datasheet	85-265V AC/DC	86500
Optional Accessories for Multi-function Meters*				
1	Accuracy class 0.5	RM 3430, RM 3440, RM 3430i, RM 3440i, EM 3490, EM 3490SS, EM 3490DS		1380
2	Accuracy class 0.2	RM 3430, RM 3440, RM 3430i, RM 3440i		2290
3	Accuracy class 0.2S	RM 3440, RM 3440i, LM 1350/60 # Aux supply will be 100-550 VAC/DC		2500
4	RS485 (Modbus)	EM 13xx, EM 3490SS, EM 3490DS, EM 2340DS, Delta Energy, PQM, DMCI, RM 3490DSi RISH EMDC		1100
5	RS485 + 2 Relay / Pulse	RM 3430, RM 3440, RM 3430i, RM 3440i, LM 1350/1360		1100
6	RS485 + 1 Relay / Pulse + 2 Analog	RM 3430, RM 3440, RM 3430i, RM 3440i		2860
7	1 Relay o/p (Pulse /Limit)	EM 1330, EM 1340, EM 3490, EM 3490SS, EM 3490DS, EM1320, EM 2340DS, Delta Energy, Optima VAF, Delta Power		1010
8	2 Pulse /Relay	EM 1330, EM 1340, EM 1320, EM 2340DS, PQM, RM 3490DSi, EMDC		1380
9	Ethernet Interface (MODBUS TCP/IP Protocol)	RM 3430, RM3430i, RM 3440, RM 3440i, PQM, LM 1350/60		3530
10	Terminal Sealing	EM 3490, 3490SS		100
11	DIP Switch	Instead of Fixed CT Ratio for EM 3490		460
12	Thumb Wheel	Instead of Fixed CT Ratio for EM 3490		1100
13	Converter 1	RS 485 to RS 232 Converter (Self Powered)		2290
14	Converter 2	RS 485 to USB Converter (Self Powered)		5500
15	4 Relay	Rish EM DC		2290
16	Data logging + Ethernet + RTC	LM 1350/1360		4200
17	Data logging + USB + RTC + RS 485 + 2 Relay	LM 1350/1360		3200
18	400Hz	RM 3440		530
19	IP 65 Kit	For 96x96 size models		130
20	Side mounting clamp	Optima VAF / Delta Series / LM 13xx Series / EM 13xx / EM 2340		20
21	GSM Module + Marc Software	a. FREE LIFETIME LICENCE -- ONLINE VIEWING of Rishabh make Energy meter's Data on marc software (Mobile App and Web Application). b. 5 Year data charges of GSM SIM Card. c. Per Gateway 31 Energy meters can be connected in Daisy chain as a Slave. Note: 1. Rishabh GSM Gateway works on 2G network. 2. The minimum Signal strength of network should be -70dbm to -85dbm 3. Availability of good signal strength is not in Rishabh Scope GSM Service selector should be suggested by Customer. The GSM Module will be provided for Rish LM13XX and Rish EM13XX/23XX only and to be mentioned while ordering.		27800

Before selecting any single or multiple optional accessories / outputs please refer to the respective datasheets to check feasibility

List of abbreviation

VAF - Voltage Current & Frequency
kW - Active Power
kVAr - Reactive Power
kVA - Apparent Power
kWh - Active Energy
kVArh - Reactive energy
kVAh - Apparent Energy
PF - Power Factor

PA - Phase Angle
RH - Run Hour
OH - On Hour
NI - No. of interruptions
MM - Min / Max Parameters
DM - Demand
MD - Max Demand
NC - Neutral Current

THD - % Total Harmonics distortion
IH - Individual Harmonics
RTC - Real time clock
SG - Sag
SW - Swell
OC - Over Current
GE - Generator Event

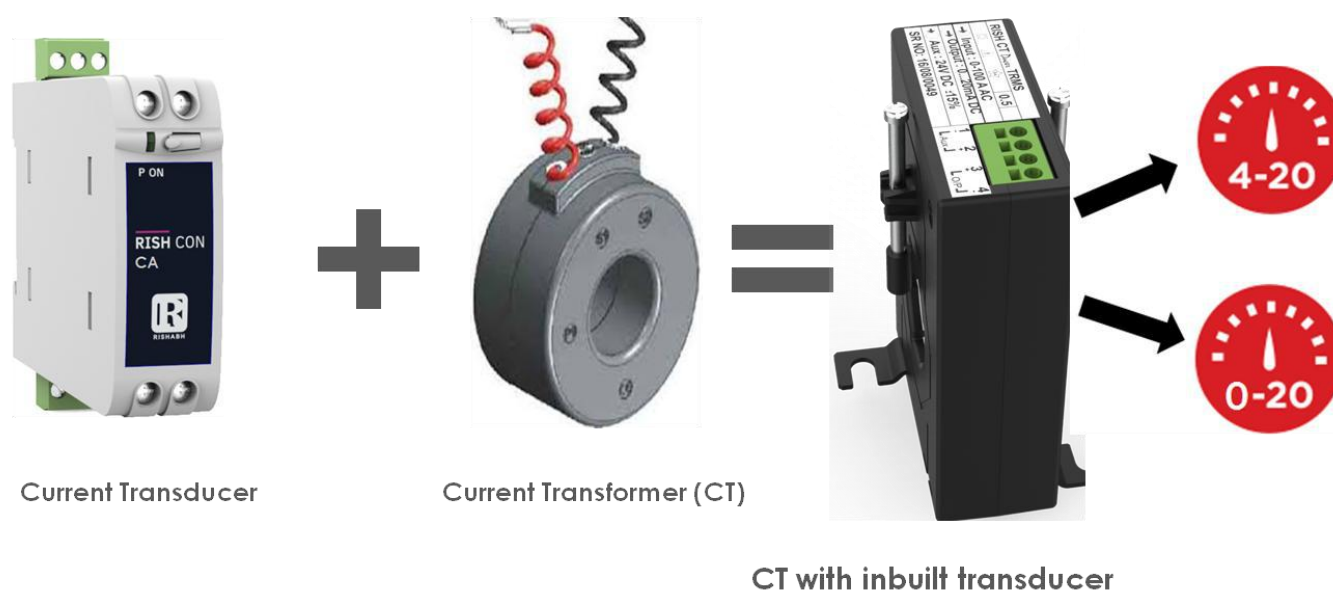
KMAT	Model	Description	Auxiliary Supply	LP (INR)
Electrical Transducer				
Programmable Rish CON Series				
CM41	Rish CON I	Type : Current (TRMS) Input : 1...5A Output : 0...20mA / 4...20mA OR 0...10V Accuracy Class : 0.2	60...300VAC/DC or 24...60VAC/DC	3360
CM41	Rish CON V	Type : Voltage (TRMS) Input : 57...500V Output : 0...20mA / 4...20mA OR 0...10V Accuracy Class : 0.2		3360
CF41	Rish CON Hz	Type : Frequency (TRMS) Input : 45...55 / 48...52 / 55...65 / 45...65 Hz (57...500V) Output : 0...20mA / 4...20mA OR 0...10V Accuracy Class : 0.2		3740
CP41	Rish CON P	Type : Power / Power Factor (TRMS) Input : 100...500V LL 1...5A Output : 0...20mA / 4...20mA OR 0...10V / -20mA...0...+20mA / -10V...0...+10V Accuracy Class : 0.2		7340
PR43	Rish CON M	Type : Multi-transducer (TRMS) Input : 100 or 400V L-L 1 or 5A (To be selected while ordering only) Output : 0 / 2 / 4 Analog -20...0...20mA & 0 / 2 / 4 Relay (M-04 M-22 M-40) Communication Port : MODBUS RS 485 & USB Accuracy Class : 0.5	85...253 VAC / 90...320 VDC or 20...40 VAC / 20...60 VDC	12820
Programmable Rish Ducer MXX Series				
PM11	Rish Ducer M20	Type : Multi-transducer Input : 100 to 693V L-L 1 to 6A (Configurable) Output : 2 Analog Outputs 0...20mA OR 0...10V (Configurable) Communication Port : RS 232 Accuracy Class : 0.2 for Voltage & Current Class : 0.15 for Frequency Class : 0.25 for Power & Power Factor	24...60 or 85...230VAC/DC	14140
	Rish Ducer M30	Type : Multi-transducer Input : 100 to 693V L-L 1 to 6A (Configurable) Output : 3 Analog Outputs 0...20mA OR 0...10V (Configurable) Communication Port : RS232 Accuracy Class : 0.2 for Voltage & Current Class : 0.15 for Frequency Class : 0.25 for Power & Power Factor		17730
	Rish Ducer M24	Type : Multi-transducer Input : 100 to 693V L-L 1 to 6A (Configurable) Output : 2 Analog Outputs 0...20mA OR 0...10V (Configurable) 4 Digital Outputs Communication Port : RS 232 Accuracy Class : 0.2 for Voltage & Current Class : 0.15 for Frequency Class : 0.25 for Power & Power Factor		17410
	Rish Ducer M42	Type : Multi-transducer Input : 100 to 693V L-L 1 to 6A (Configurable) Output : 4 Analog Outputs 0...20mA OR 0...10V (Configurable) 2 Digital Outputs Communication Port : RS 232 Accuracy Class : 0.2 for Voltage & Current Class : 0.15 for Frequency Class : 0.25 for Power & Power Factor		19000
	Rish Ducer M40	Type : Multi-transducer Input : 100 to 693V L-L 1 to 6A (Configurable) Output : 4 Analog Outputs 0...20mA OR 0...10V (Configurable) Communication Port : RS 232 & MODBUS RS 485 Accuracy Class : 0.2 for Voltage & Current Class : 0.15 for Frequency Class : 0.25 for Power & Power Factor		21280
PM11	Rish Ducer M01	Type : Multi-transducer Input : 100 to 693V L-L 1 to 6A (Configurable) Communication Port : RS 232 & MODBUS RS 485 Accuracy Class : 0.2 for Voltage & Current Class : 0.15 for Frequency Class : 0.25 for Power & Power Factor	24...60 or 85...230VAC/DC	15200
	Rish Ducer M00	Type : Multi-transducer Input : 100 to 693V L-L 1 to 6A (Configurable) Communication Port : RS 232 & LONBUS (LonWorks) Accuracy Class : 0.2 for Voltage & Current Class : 0.15 for Frequency Class : 0.25 for Power & Power Factor		18960

KMAT	Model	Description	Auxiliary Supply	LP (INR)
Non - Programmable Rish CON Series				
CM22	Rish CON CA	Type : Current AVG (Single input Single output) Input : 0...1 / 0...5A Output : 0..10mA / 0...20mA / 2..10mA / 4...20mA / 0...5V / 0...10V Accuracy Class : 0.2	40...300VAC/DC or 24...60VAC/DC	2350
CM21		Type : Current TRMS (Single input Single output) Input : 0...1 / 0...5A Output : 0..10mA / 0...20mA / 2..10mA / 4...20mA / 0...5V / 0...10V Accuracy Class : 0.2		3140
CM22	Rish CON CV	Type : Voltage AVG (Single input Single output) Input : 0...63.5V to 0...500V Output : 0..10mA / 0...20mA / 2..10mA / 4...20mA / 0...5V / 0...10V Accuracy Class : 0.2		2350
CM21		Type : Voltage TRMS (Single input Single output) Input : 0...63.5V to 0...500V Output : 0..10mA / 0...20mA / 2..10mA / 4...20mA / 0...5V / 0...10V Accuracy Class : 0.2		3140
CM23	Rish CON CA	Type : Current - AVG (Single input Dual output) Input Range : 0...1 / 0...5A Output : 0..10mA / 0...20mA / 2..10mA / 4...20mA / 0...5V / 0...10V Accuracy Class : 0.2	60...300 VAC/DC or 20...40VAC / 20...60VDC	3410
	Rish CON CV	Type : Voltage - AVG (Single input Dual output) Input : 0...63.5V to 0...500V Output : 0..10mA / 0...20mA / 2..10mA / 4...20mA / 0...5V / 0...10V Accuracy Class : 0.2		3410
Optional Accessories for Electrical Transducers				
400Hz		Rish CON P		530
RS 485		Rish CON V Rish CON I Rish CON Hz Rish CON P		1100
Display Module		Rish CON V Rish CON I Rish CON Hz Rish CON P		740
Dual Output		Rish CON V Rish CON I Rish CON Hz Rish CON P		665
Non Standard Input / Output		Rish CON CA / CV		920
PRKAB 601		Programming RS232 / USB & Configuration Adapter + Cable for Rish CON V Rish CON I Rish CON Hz Rish CON P		1200



New

KMAT	Model	Description	Auxiliary Supply	LP (INR)
CT with Inbuilt Transducer				
CCT1	RISH CTDucer 70 x 30mm	Type : Current TRMS (Single input Single output) Input : 0 - 50A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%	24V DC ± 15%	3290
		Type : Current AVG (Single input Single output) Input : 0 - 50A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		1990
		Type : Current TRMS (Single input Single output) Input : 0 - 100A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3340
		Type : Current AVG (Single input Single output) Input : 0 - 100A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2040
		Type : Current TRMS (Single input Single output) Input : 0 - 150A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3390
		Type : Current AVG (Single input Single output) Input : 0 - 150A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2090
		Type : Current TRMS (Single input Single output) Input : 0 - 200A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3440
		Type : Current AVG (Single input Single output) Input : 0 - 200A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2140
		Type : Current TRMS (Single input Single output) Input : 0 - 250A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3490
		Type : Current AVG (Single input Single output) Input : 0 - 250A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2190
		Type : Current TRMS (Single input Single output) Input : 0 - 300A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3540
		Type : Current AVG (Single input Single output) Input : 0 - 300A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2240



New

KMAT	Model	Description	Auxiliary Supply	LP (INR)
CCT1	RISH CTDucer 90 x 40 mm	Type : Current TRMS (Single input Single output) Input : 0 - 150A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%	24V DC ± 15%	3470
		Type : Current AVG (Single input Single output) Input : 0 - 150A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2180
		Type : Current TRMS (Single input Single output) Input : 0 - 200A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3520
		Type : Current AVG (Single input Single output) Input : 0 - 200A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2230
		Type : Current TRMS (Single input Single output) Input : 0 - 250A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3570
		Type : Current AVG (Single input Single output) Input : 0 - 250A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2280
		Type : Current TRMS (Single input Single output) Input : 0 - 300A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3620
		Type : Current AVG (Single input Single output) Input : 0 - 300A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2330
		Type : Current TRMS (Single input Single output) Input : 0 - 400A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3670
		Type : Current AVG (Single input Single output) Input : 0 - 400A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2380
		Type : Current TRMS (Single input Single output) Input : 0 - 500A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3720
		Type : Current AVG (Single input Single output) Input : 0 - 500A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2430
		Type : Current TRMS (Single input Single output) Input : 0 - 600A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3770
		Type : Current AVG (Single input Single output) Input : 0 - 600A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2480
		Type : Current TRMS (Single input Single output) Input : 0 - 750A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		3850
		Type : Current AVG (Single input Single output) Input : 0 - 750A Output : 0...20mA / 4...20mA Accuracy Class : 0.5%		2550
Optional Accessory				
Accessory	Din Rail Mounting Kit			70

KMAT	Model	Description	Auxiliary Supply	LP (INR)
Process Transducer				
PI02	Rish PI 102	Type :Programmable Dual output DC Isolator Input Range : 0...12 / 0...10 / 0...5 / 1...5 VDC 0...20 / 0...10 / 4...20 / 0...24 mA DC Output : 0..10mA / 0...20mA / 2..10mA / 4...20mA / 0...5 / 1...5 / 0...10 / 2...10V Accuracy Class : 0.2	60...300 VAC/DC or 20...40VAC / 20...60VDC	2930
SI01	Rish CON SI-101	Type : Powerful DC Signal Isolator Input : DC Current : 0...20mA 4...20mA 1...5mA DC Voltage : 0...10V 2...10V 1...5V Output : DC Current : 0...20mA 4...20mA DC Voltage : 0...10V 2...10V Accuracy Class : 0.2	24...60V AC/DC or 60 ...300V AC/DC	1950
SI02	Rish CON SI-102	Type : Powerful DC Signal Isolator Input : DC Current : 0...20mA 4...20mA 1...5mA DC Voltage : 0...10V 2...10V 1...5V Output : DC Current : 0...20mA 4...20mA DC Voltage : 0...10V 2...10V Accuracy Class : 0.2		2940
	TV808	Type : DC Isolator 1 Input-1 Output (S17 or E8 Housing) Input : 0.1mA...20mA & 4...20mA & 0.06V...40V Output : DC Current 0...20mA 4...20mA DC Voltage : 0...5V 0...10V Accuracy Class : 0.2	24...60V AC/DC or 85 ...230V AC/DC	2450
TV08	TV808	Type : DC Isolator 1 Input-2 Output (S17 or E8 Housing) Input : 0.1mA...20mA & 4...20mA & 0.06V...40V Output : DC Current 0...20mA 4...20mA DC Voltage : 0...5V 0...10V Accuracy Class : 0.2		3430
	TV808	Type : DC Isolator 2 Input-2 Output (S17 Housing) Input : 0.1mA...20mA & 4...20mA & 0.06V...40V Output : DC Current 0...20mA 4...20mA DC Voltage : 0...5V 0...10V Accuracy Class : 0.2		3920
Tap Position Transducer				
	Rish CON TPT	Type : Tap Position Input : 0-17kOhm 0-18kOhm 0-20kOhm 0-25kOhm Output : DC Current : 0...20mA 4...20mA DC Voltage : 0...10V 2...10V Accuracy Class : 0.2	24...60V AC/DC or 60 ...300V AC/DC	4410
CT25	Rish CON TPT	Type : Tap Position with display Input : 0-17kOhm 0-18kOhm 0-20kOhm 0-25kOhm Output : DC Current : 0...20mA 4...20mA DC Voltage : 0...10V 2...10V Accuracy Class : 0.2		5280
	Rish CON TPT (96x96)	Type : Tap Position with display (96 X 96) Input : 0-17kOhm 0-18kOhm 0-20kOhm 0-25kOhm Output : DC Current : 0...20mA 4...20mA DC Voltage : 0...10V 2...10V Accuracy Class : 0.2		4860
Universal Transmitter				
V604	Rish Ducer V604	Type : Programmable Transmitter Input : DC Voltage/Current Resistance Temp.etc. Output : DC Current : 0...20mA 4...20mA DC Voltage : 0...5V 1...5V 0...10V 2...10V Accuracy Class : 0.2	24...60V AC/DC or 85 ...230V AC/DC	7440
Temperature Transmitter				
PT02	PT 602	Type : 1 Channel Temperature transmitter Input : Temperature Output : DC Current : 0...20mA 4...20mA DC Voltage : 0...10V Accuracy Class : 0.5	24...60V AC/DC or 85 ...230V AC/DC	5440
		Type : 2 Channel Temperature transmitter Input : Temperature Output : DC Current : 0...20mA 4...20mA DC Voltage : 0...10V Accuracy Class : 0.5		6810
Optional Accessories for Process Transducers				
RS 485		Rish CON TPT 96 X 96		1100
Non Standard Input / Output		Rish Ducer TV808 and Rish CON SI 101 / SI 102		740
PRKAB 600		Programming RS232 & Configuration Adapter + Cable for Rish Ducer V604		1200
PRKAB 601		Programming RS232 & Configuration Adapter + Cable for Rish CON TPT		1200

Group	Model	Size	Description	Auxiliary Supply	LP (INR)
PID Controllers - Basic					
TC41	RE56	48 x 48 x 87.35 mm	Input: RTD Sensors: PT100 Thermocouple Sensors: J T K S R Output: 1x SSR driving or 1x Relay Output; Accuracy Class as per Datasheet;	60 ... 280 V AC/DC	1350
TC40	RE57	48 x 48 x 87.35 mm	Input: RTD Sensors: PT100 PT1000 Thermocouple Sensors: J T K S R B N E Standard Signals: 0/4 ... 20mA or 0 ... 5 / 10V; Output: 1x SSR driving Output; Accuracy Class as per Datasheet;	60 ... 280 V AC/DC OR 20 ... 60V DC 20 V – 40V AC	2320
	RE96	96 x 96 x 72.15 mm			2550
	RE77	48 x 96 x 72.15 mm			2420
Extra Charges for RE57 / 77 / 96			1x Relay Output	-	140
			1x Relay + 1x SSR Output		400
			2x SSR Outputs		170
			2x Relay Output		540



Genset Controllers			
Group	Model	Order Code	LP (INR)
GC10	AMF 1000	GC10-A000000000000 - AMF1000 AUTOMATIC MAINS FAILURE	20860
	RI809	GC10-AT000000000000 - GENSET RI809ATS	19850
	RS 300	GC10-G000000000000 - RS 300 GENSET CONTROLLER	19360



Basic Protection Relay

New

Product Code	Description	System	Contact	Relay	List Price (INR)
Phase Failure Relay - Rish Relay PHR					
PR10-P411110000000	PhR 3P3W 110VLL 50Hz NE 1 Relay	3Ø3W	Normally Energized	1 Relay	890
PR10-P411210000000	PhR 3P3W 110VLL 50Hz ND 1 Relay	3Ø3W	Normally D-Energized	1 Relay	890
PR10-P412110000000	PhR 3P3W 110VLL 60Hz NE 1 Relay	3Ø3W	Normally Energized	1 Relay	890
PR10-P412210000000	PhR 3P3W 110VLL 60Hz ND 1 Relay	3Ø3W	Normally D-Energized	1 Relay	890
PR10-P421110000000	PhR 3P3W 240VLL 50Hz NE 1 Relay	3Ø3W	Normally Energized	1 Relay	890
PR10-P421210000000	PhR 3P3W 240VLL 50Hz ND 1 Relay	3Ø3W	Normally D-Energized	1 Relay	890
PR10-P422110000000	PhR 3P3W 240VLL 60Hz NE 1 Relay	3Ø3W	Normally Energized	1 Relay	890
PR10-P422210000000	PhR 3P3W 240VLL 60Hz ND 1 Relay	3Ø3W	Normally D-Energized	1 Relay	890
PR10-P431110000000	PhR 3P3W 415VLL 50Hz NE 1 Relay	3Ø3W	Normally Energized	1 Relay	890
PR10-P431210000000	PhR 3P3W 415VLL 50Hz ND 1 Relay	3Ø3W	Normally D-Energized	1 Relay	890
PR10-P432110000000	PhR 3P3W 415VLL 60Hz NE 1 Relay	3Ø3W	Normally Energized	1 Relay	890
PR10-P432210000000	PhR 3P3W 415VLL 60Hz ND 1 Relay	3Ø3W	Normally D-Energized	1 Relay	890
PR10-P441110000000	PhR 3P3W 440VLL 50Hz NE 1 Relay	3Ø3W	Normally Energized	1 Relay	890
PR10-P441210000000	PhR 3P3W 440VLL 50Hz ND 1 Relay	3Ø3W	Normally D-Energized	1 Relay	890
PR10-P442110000000	PhR 3P3W 440VLL 60Hz NE 1 Relay	3Ø3W	Normally Energized	1 Relay	890
PR10-P442210000000	PhR 3P3W 440VLL 60Hz ND 1 Relay	3Ø3W	Normally D-Energized	1 Relay	890
PR10-P511110000000	PhR 3P4W 110VLL 50Hz NE 1 Relay	3Ø4W	Normally Energized	1 Relay	890
PR10-P511210000000	PhR 3P4W 110VLL 50Hz ND 1 Relay	3Ø4W	Normally D-Energized	1 Relay	890
PR10-P512110000000	PhR 3P4W 110VLL 60Hz NE 1 Relay	3Ø4W	Normally Energized	1 Relay	890
PR10-P512210000000	PhR 3P4W 110VLL 60Hz ND 1 Relay	3Ø4W	Normally D-Energized	1 Relay	890
PR10-P521110000000	PhR 3P4W 240VLL 50Hz NE 1 Relay	3Ø4W	Normally Energized	1 Relay	890
PR10-P521210000000	PhR 3P4W 240VLL 50Hz ND 1 Relay	3Ø4W	Normally D-Energized	1 Relay	890
PR10-P522110000000	PhR 3P4W 240VLL 60Hz NE 1 Relay	3Ø4W	Normally Energized	1 Relay	890
PR10-P522210000000	PhR 3P4W 240VLL 60Hz ND 1 Relay	3Ø4W	Normally D-Energized	1 Relay	890
PR10-P531110000000	PhR 3P4W 415VLL 50Hz NE 1 Relay	3Ø4W	Normally Energized	1 Relay	890
PR10-P531210000000	PhR 3P4W 415VLL 50Hz ND 1 Relay	3Ø4W	Normally D-Energized	1 Relay	890
PR10-P532110000000	PhR 3P4W 415VLL 60Hz NE 1 Relay	3Ø4W	Normally Energized	1 Relay	890
PR10-P532210000000	PhR 3P4W 415VLL 60Hz ND 1 Relay	3Ø4W	Normally D-Energized	1 Relay	890
PR10-P541110000000	PhR 3P4W 440VLL 50Hz NE 1 Relay	3Ø4W	Normally Energized	1 Relay	890
PR10-P541210000000	PhR 3P4W 440VLL 50Hz ND 1 Relay	3Ø4W	Normally D-Energized	1 Relay	890
PR10-P542110000000	PhR 3P4W 440VLL 60Hz NE 1 Relay	3Ø4W	Normally Energized	1 Relay	890
PR10-P542210000000	PhR 3P4W 440VLL 60Hz ND 1 Relay	3Ø4W	Normally D-Energized	1 Relay	890
Current Relay - Rish Relay AR					
PR10-A100110000000	AR 1P NE 1 Relay	1Ø	Normally Energized		1590
PR10-A100120000000	AR 1P NE 2 Relay	1Ø	Normally Energized	2 Relay	1740
PR10-A100210000000	AR 1P ND 1 Relay	1Ø	Normally D-Energized	1 Relay	1590
PR10-A100220000000	AR 1P ND 2 Relay	1Ø	Normally D-Energized	2 Relay	1740
PR10-A300110000000	AR 3P NE 1 Relay	3Ø	Normally Energized	1 Relay	1740
PR10-A300120000000	AR 3P NE 2 Relay	3Ø	Normally Energized	2 Relay	1890
PR10-A300210000000	AR 3P ND 1 Relay	3Ø	Normally D-Energized	1 Relay	1740
PR10-A300220000000	AR 3P ND 2 Relay	3Ø	Normally D-Energized	2 Relay	1890
Voltage Relay - Rish Relay VR					
PR10-V150110000000	VR 1P 58-138VLN NE 1 Relay	1Ø	Normally Energized	1 Relay	1145
PR10-V150120000000	VR 1P 58-138VLN NE 2 Relay	1Ø	Normally Energized	2 Relay	1295
PR10-V180110000000	VR 1P 220-254VLN NE 1 RELAY	1Ø	Normally Energized	1 Relay	1145
PR10-V180120000000	VR 1P 220-254VLN NE 2 RELAY	1Ø	Normally Energized	2 Relay	1295
PR10-V310110000000	VR 3P 110-240VLL NE 1 RELAY	3Ø	Normally Energized	1 Relay	1295
PR10-V310120000000	VR 3P 110-240VLL NE 2 RELAY	3Ø	Normally Energized	2 Relay	1445
PR10-V360110000000	VR 3P 415-480VLL NE 1 Relay	3Ø	Normally Energized	1 Relay	1295
PR10-V360120000000	VR 3P 415-480VLL NE 2 Relay	3Ø	Normally Energized	2 Relay	1445
PR10-V370110000000	VR 3P 381-415VLL NE 1 RELAY	3Ø	Normally Energized	1 Relay	1295
PR10-V370120000000	VR 3P 381-415VLL NE 2 RELAY	3Ø	Normally Energized	2 Relay	1445



Digital Monitoring Relay

KMAT	Model	Description	Auxiliary Supply	LP (INR)
TR10	Rish Relay - I	Prog. 1PH Current 1-5A 1CO+1CO	60-300V AC/DC or 20-60V DC / 20-40V AC	2750
	Rish Relay - I	Prog. 1PH Current 1-5A 2CO		2750
	Rish Relay - I	Prog. 1PH Current 1-5A 1CO		2750
	Rish Relay - I	Prog. 3PH Current 1-5A 1CO+1CO		2790
	Rish Relay - I	Prog. 3PH Current 1-5A 2CO		2790
	Rish Relay - I	Prog. 3PH Current 1-5A 1CO		2790
	Rish Relay V/Hz	Prog. 1PH & 3PH V 100-600V L-L 1CO+1CO		2510
	Rish Relay V/Hz	Prog. 1PH & 3PH V 100-600V L-L 2CO		2510
	Rish Relay V/Hz	Prog. 1PH & 3PH V 100-600V L-L 1CO		2510
	Rish Relay V	Prog. 1PH & 3PH VOLT 100-600V L-L 1CO+1CO		2050
	Rish Relay V	Prog. 1PH & 3PH VOLT 100-600V L-L 2CO		2050
	Rish Relay V	Prog. 1PH & 3PH VOLT 100-600V L-L 1CO		2000
	ELR1	Rish ELR (Din)		ELR SINGLE CBCT 1CO+1CO
Rish ELR (Din)		ELR SINGLE CBCT 2CO	2450	
Rish ELR (Din)		ELR SINGLE CBCT 1CO	2400	
Rish ELR+(Din)		ELR+ Dual CBCT 1CO+1CO	3340	
Rish ELR VI(NE) (Din)		ELR VI(NE) CBCT+E to N V+I 1CO+1CO	3610	
Rish ELR VI (Din)		ELR VI CBCT+V+I 1CO+1CO	3650	
Rish ELR (96x96mm)		ELR SINGLE CBCT 1CO	2450	
Rish ELR (96x96mm)		ELR SINGLE CBCT 1CO+1CO	2450	
Rish ELR (96x96mm)		ELR SINGLE CBCT 2CO	2400	
Rish ELR+ (96x96mm)		ELR+ DUAL CBCT 1CO+1CO	3340	
Rish ELR VI (96x96mm)		ELR VI CBCT+V+I 1CO+1CO	3610	
Rish ELR VI (NE) (96x96mm)		ELR VI(NE) CBCT+E to N V+I 1CO+1CO	3650	
CB01		Rish CBCT	TW-E CBCT 73/30 (50) 30mA-30A 600:1	
CB02	Rish CBCT	TW-E CBCT 95/50 (40) 30mA-30A 600:1		1215
CB03	Rish CBCT	TW-E CBCT 135/85 (30) 30mA-30A 600:1		1380
CB04	Rish CBCT	TW-E CBCT 165/130 (30) 30mA-30A 600:1		1490
CB05	Rish CBCT	TW-E CBCT 260/200 (20) 30mA-30A 600:1		2160
Optional Accessory				
Extra charges for PRKAB 600 programming cable				1200



Static Relay

KMAT	Model	Description	Auxiliary Supply	LP (INR)
AC Current Relay Input - 2 / 3 / 4 / 6 / 8 / 10A or 1A / 5A CT Operated				
LA21	252 - PAU	Single Phase Under Current	AC : 120 / 230 / 240 / 400 / 415V	990
	252 - PAO	Single Phase Over Current		990
LA31	253 - PAD	Single Phase Combined Under/Over Current		1950
	253 - PAV	Three Phase Under Current		2360
	253 - PAP	Three Phase Over Current		2360
Optional Accessories				
Extra charges for DC Aux : 12 / 24 / 48 / 110V				100
Extra charges for any non-standard settings other than Datasheet				100
AC Voltage Relay With Adjustable Differential Input - 100 / 110 / 220 / 230 / 240 / 380 / 400 / 415 / 440V				
LK21	252 - PVU	Single Phase Under Voltage	Self Powered	1300
	252 - PVO	Single Phase Over Voltage		1300
LK31	253 - PVB	Single Phase Combined Under/Over Voltage.		1950
LK21	252 - PVV	3 Phase 4 Wire Under Voltage		1300
	252 - PVP	3 Phase 4 Wire Over Voltage		1300
LK31	253 - PVE	3 Phase 4 Wire Combined Under/Over Voltage		1950
LK21	252 - PVK	3 Phase 3 Wire Under Voltage		1300
	252 - PVA	3 Phase 3 Wire Over Voltage		1300
LK31	253 - PVM	3 Phase 3 Wire Combined Under/Over Voltage		1950
Optional Accessories				
Extra charges for Aux supply / Time Delay				100
AC Voltage Relay With Adjustable Time Delay Input - 100 / 110 / 220 / 230 / 240 / 380 / 400 / 415 / 440V				
LJ21	252 - PVZ	Single Phase Under Voltage	Self Powered	1300
	252 - PVH	Single Phase Over Voltage		1300
	252 - PVX	3 Phase 4 Wire Under Voltage		1300
	252 - PVS	3 Phase 4 Wire Over Voltage		1300
	252 - PVJ	3 Phase 3 Wire Under Voltage		1300
	252 - PVC	3 Phase 3 Wire Over Voltage		1300
Optional Accessory				
Extra charges for Aux supply				100
Frequency Relay With Adjustable Time Delay Range - 40/60Hz 50/70Hz 360/440Hz Input - 100 / 110 / 220 / 230 / 240 / 380 / 400 / 415 / 440V				
LF21	252 - PHU	Under Frequency	Self Powered	1140
	252 - PHO	Over Frequency		1140
LF31	253 - PHD	Combined Under/Over Frequency		1950
Optional Accessory				
Extra charges for Aux supply				100
Combined Under / Over Voltage & Frequency Range - 40/60Hz 50/75Hz 360/440Hz Input - 120 / 240V				
LC61	256 - PHV	Single Phase Combined Under/Over Voltage and Frequency.	Self Powered	3940
Phase Sequence & Phase Failure Input - 100 / 110 / 220 / 230 / 240 / 380 / 400 / 415 / 440V				
LP21	252 - PVR	3 Phase 3 Wire or 4 Wire	Self Powered	900
Thermistor Trip Relay Range : Trip 2500-3500 Ohm Reset :1500 -2300 Ohm.				
LT21	252 - PMT	Automatic Reset	AC : 110 / 120 / 220 / 230 / 240V	1090
	252 - PMM	Manual Reset		1090
Synchro Check Relay (Paralleling) Input - 100 / 110 / 220 / 230 / 240 / 380 / 400 / 415 / 440V				
LS61	256 - PLL	1 Generator 1 Bus or 2 Generator Systems.	Self Powered	2110
	256 - PLD	1 Generator with 'DEAD BUS' facility		2640

KMAT	Model	Description	Auxiliary Supply	LP (INR)
Phase Balance Relay Input - 100 / 110 / 220 / 230 / 240 / 380 / 400 / 415 / 440V				
LB21	252 - PSF	Phase loss and Unbalance	Self Powered	1090
	252 - PSG	Phase loss Unbalance and Under Voltage.		1430
Reverse Power (Current) Relay Input - 100 / 110 / 220 / 230 / 240 / 380 / 400 / 415 / 440V Input - 123456810A				
LR61	256 - PAS	Single Phase or 3 Phase 4 Wire.	Self Powered	2280
	256 - PAT	3 Phase 3 Wire.		2320
	256 - PAQ	Single Phase or 3 Phase 4 Wire with test push button.		3860
	256 - PAR	3 Phase 3 Wire with test push button.		3860
DC Voltage Relay DC Voltage -18 to 20 or 20 to 32Vdc				
LD21	252 - PDU	DC Under Voltage with external time delay	Self Powered	1430
	252 - PDO	DC Over Voltage with external time delay		1550
	253 - PDE	DC Under Voltage with external external differential		1300
DC Milivolt Relay Input-50/60/75/100/150mV (Span- 10mV Min)				
LM21	252 - PBS	DC Milivolt Low Trip	AC : 120 / 240V	1790
	252 - PBT	DC Milivolt High Trip		1790
	Extra charges for DC Aux : 12 / 24 / 48 / 110V			100
Transducer Trip Relay Input - DC current - 1 / 5 / 10 / 20 / 4 - 20mA & DC voltage - 1 to 50V				
LX21	252 - PBA	Low Trip	AC : 120 / 240V	1590
	252 - PBB	High Trip		1590
LX31	253 - PBV	Combined High/Low	AC : 120 / 240V	3170
Extra charges for DC Aux : 12 / 24 / 48 / 110V		100		
Motor Protection Relay Input - 100 / 110 / 220 / 230 / 240 / 380 / 400 / 415 / 440V				
LL31	253 - MPR	Motor Protection Relay (Phase Loss Reversal Unbalanced)	AC : 110 / 220 / 230 / 240 / 380 / 415V	1710
Earth Fault Relay Input - 1A / 5A				
LE31	253 - EFR	Earth Fault Relay	AC : 230V	2060



Battery Charger

New

Order Code	Model No	Input Voltage	Output Voltage	Power Range	LP (INR)
BC03-1D00000000000	1P Elite 3612A	115 V AC/ 230V AC	12 V DC	36 W	2800
BC03-1F00000000000	1P Elite 7212A	115 V AC/ 230V AC	12 V DC	72 W	3050
BC03-1G00000000000	1P Elite 7224A	115 V AC/ 230V AC	24 V DC	72 W	3050
BC03-1A00000000000	1P Elite 12012A	115 V AC/ 230V AC	12 V DC	120 W	3150
BC03-1B00000000000	1P Elite 12024A	115 V AC/ 230V AC	24 V DC	120 W	3150
BC03-1E00000000000	1P Elite 12030A	115 V AC/ 230V AC	30 V DC	120 W	3150



Power Supply

Order Code	Model No	Input Voltage	Output Voltage	Output Current	Power Range	LP (INR)
RISH FLEX - E SERIES						
Single Phase - Plastic Housing						
RF14-1N00000000000	1P Flex - e 1515A	115 V AC/ 230V AC	15 V DC	1.0 A	15 W	1400
RF14-1M00000000000	1P Flex - e 1512A	115 V AC/ 230V AC	12 V DC	1.25 A	15 W	1400
RF14-1P00000000000	1P Flex - e 1524A	115 V AC/ 230V AC	24 V DC	0.63 A	15W	1400
RF14-1S00000000000	1P Flex - e 3012A	115 V AC/ 230V AC	12 V DC	3.0 A	30 W	1550
RF14-1K00000000000	1P Flex - e 3024A	115 V AC/ 230V AC	24 V DC	1.5 A	30 W	1550
RF14-1R00000000000	1P Flex - e 4512A	115 V AC/ 230V AC	12 V DC	3.75 A	45 W	1700
RF14-1L00000000000	1P Flex - e 4524A	115 V AC/ 230V AC	24 V DC	1.75 A	45 W	1700
RF14-1Q00000000000	1P Flex - e 6012A	115 V AC/ 230V AC	12 V DC	5.0A	60 W	1775
RF14-1A00000000000	1P Flex - e 6024A	115 V AC/ 230V AC	24 V DC	2.5 A	60 W	1775
Single Phase - Metal Housing						
RF14-1B00000000000	Rish Flex - e 9024A	115 V AC/ 230V AC	24 V DC	5 A	95 to 120 W	2320
RF14-1C00000000000	Rish Flex - e 17024A	115 V AC/ 230V AC	24 V DC	7.5 A	95 to 180 W	2450
Two Phase - Metal Housing						
RF14-2I00000000000	Rish Flex - e 9024B	230V AC / 400V AC	24 V DC	5 A	120 to 180 W	3250
RF14-2J00000000000	Rish Flex - e 17024B	230V AC / 400V AC	24 V DC	7.5 A	120 to 180 W	3400
RISH FLEX SERIES						
Single Phase - Metal Housing						
RF13-1T00000000000	Rish Flex 6005A	115 V AC/ 230V AC	5 V DC	5 A	35 W	2150
RF13-1S00000000000	Rish Flex 6012A	115 V AC/ 230V AC	12 V DC	6 A	72 W	2150
RF13-1A00000000000	Rish Flex 6024A	115 V AC/ 230V AC	24 V DC	3 A	72 W	2150
RF13-1B00000000000	Rish Flex 9024A	115 V AC/ 230V AC	24 V DC	5 A	120 W	3350
RF13-1R00000000000	Rish Flex 17012A	115 V AC/ 230V AC	12 V DC	14 A	180 W	3450
RF13-1C00000000000	Rish Flex 17024A	115 V AC/ 230V AC	24 V DC	7.5 A	180 W	3450
RF13-1F00000000000	Rish Flex 17048A	115 V AC/ 230V AC	48 V DC	3.75 A	180 W	4000
RF13-1P00000000000	Rish Flex 28012A	115 V AC/ 230V AC	12 V DC	20 A	240 W	6500
RF13-1D00000000000	Rish Flex 28024A	115 V AC/ 230V AC	24 V DC	14 A	336 W	6500
RF13-1G00000000000	Rish Flex 28048A	115 V AC/ 230V AC	48 V DC	7 A	336 W	6500
RF13-1E00000000000	Rish Flex 50024A	115 V AC/ 230V AC	24 V DC	25 A	600 W	8000
RF13-1H00000000000	Rish Flex 50048A	115 V AC/ 230V AC	48 V DC	12 A	600 W	8000

Order Code	Model No	Input Voltage	Output Voltage	Output Current	Power Range	LP (INR)
Two Phase - Metal Housing						
RF13-2I000000000000	Rish Flex 9024B	230V/ 400V/ 500 V AC	24 V DC	5 A	120 W	4100
RF13-2J000000000000	Rish Flex 17024B	230V/ 400V/ 500 V AC	24 V DC	7.5 A	180 W	4200
RF13-2K000000000000	Rish Flex 28024B	230V/ 400V/ 500 V AC	24 V DC	14 A	336 W	7000
Three Phase - Metal Housing						
RF13-3L000000000000	Rish Flex 50024B	400 – 500 V AC	24 V DC	25 A	600 W	8900
RF13-3M000000000000	Rish PST 2430B	400 – 480 V AC	24 V DC	30 A	720 W	19040
RF13-3N000000000000	Rish PST 2440B	400 – 480 V AC	24 V DC	40 A	960 W	22900
Redundancy Module						
RF13-00M000000000000	Rish MR220	10 – 60 V DC	10 – 60 V DC	0 – 25 A (max)	----	1950





Lumel Expertise

Digital Meters

Group	Model	Size	Digit	Description	Auxiliary Supply	LP (INR)
N24 Series						
RN24	N24 S	96 x 48 x 64 mm	4 Digit	Standard Input Signals with IP65; Input: -10 ... 60 mV or ± 60 mV or 0 ... 10 V or ±10 V or 0... 20 mA or 4 ... 20 mA; Display: Red LED with 20mm Digit Height; Accuracy Class as per Datasheet	230 V AC OR 110 V AC OR 24 V AC	2855
RN24	N24 T	96 x 48 x 64 mm	4 Digit	Temperature Input with IP65; Input: PT100 or Thermocouple: J type or K type; Display Red LED with 20mm Digit Height; Accuracy Class as per Datasheet		2980
RN24	N24 H	96 x 48 x 64 mm	4 Digit	DC Higher Voltage and Current Input with IP65; Input: 100 V or 250 V or ±100 V or ±250 V or ±400 V or ±1 A or ±5 A; Display: Red LED with 20mm Digit Height; Accuracy Class as per Datasheet		3280
RN24	N24 Z	96 x 48 x 64 mm	4 Digit	AC Voltage Current & Frequency Input with IP65; Input: 1 ... 100 V or 2.5 ... 250 V or 4 ... 400 V or 20 ... 500 Hz (24 ... 480V) or 1 or 5 A; Display Red LED with 20mm Digit Height; Accuracy Class as per Datasheet		3280
N25 Series						
RN25	N25 S	96 x 48 x 64 mm	5 Digit	Standard Input Signals with IP65; Input: -10 ... 60 mV or ± 60 mV or 0 ... 10 V or ±10 V or 0... 20 mA or 4 ... 20 mA; Display: Red LED with 14mm Digit Height; Accuracy Class as per Datasheet	230 V AC OR 110 V AC OR 24 V AC	3015
RN25	N25 T	96 x 48 x 64 mm	5 Digit	Temperature Input with IP65; Input: PT100 or Thermocouple: J type or K type; Display Red LED with 14mm Digit Height; Accuracy Class as per Datasheet		3080
RN25	N25 H	96 x 48 x 64 mm	5 Digit	DC Higher Voltage and Current Input with IP65; Input: 100 V or 250 V or ±100 V or ±250 V or ±400 V or ±1 A or ±5 A; Display: Red LED with 14mm Digit Height; Accuracy Class as per Datasheet		3675
RN25	N25 Z	96 x 48 x 64 mm	5 Digit	AC Voltage Current & Frequency Input with IP65; Input: 1 ... 100 V or 2.5 ... 250 V or 4 ... 400 V or 20 ... 500 Hz (24 ... 480V) or 1 A or 5 A; Display Red LED with 14mm Digit Height; Phase: 1 - Phase; Accuracy Class as per Datasheet		3620
Options for N24 & N25				Auxiliary Supply : 85 ... 253 V or 20 ... 40V AC/ DC (with 24V DC Supplying Output only for N24/ N25 (S & T))		1150
				Configuration of parameters acc. to customer's request		400
				Non-standard unit printed on the meter (minimal qty: 5 pcs.)		1075
N20 Series with Tri-Colour Display						
RN20	N20	96 x 48 x 64 mm	5 Digit	Temperature & Standard Input Signals with IP65; Input: Lower Input DC Current Voltage and Temperature; Display: 3 - Colour LED Display with 14mm Digit Height; Accuracy Class as per Datasheet Output: 2 OC type;	85 ... 253 V AC/ DC OR 20 ... 40 V AC/ DC	4520
RN20Z	N20Z	96 x 48 x 64 mm	5 Digit	AC Current Voltage and Frequency with IP65; Input: AC current Voltage and Frequency; Display: 3 - Colour LED Display with 14mm Digit Height; Accuracy Class as per Datasheet Output: 2 OC type;		4585
Option for N20 Series				Configuration of parameters acc. to customer's request		400

Digital Meters

Group	Model	Size	Digit	Description	Auxiliary Supply	LP (INR)
RN21	N21	96 x 48 x 64 mm	OLED display/ Bargraph	Temperature & Standard Input Signals with IP65; Input: Lower Input DC Current Voltage and Temperature; Display: OLED 128 x 32 pixels in amber colour; Accuracy Class as per Datasheet Output: 1x Alarm O/P and Power Supply Output	22 ... 60 V AC/ DC (terminals 12-13) & 60 ... 253 V AC / 60 ... 300 V DC (terminals 13-14)	11530
RN20ZP	N20ZPLUS	96 x 48 x 64 mm	5 Digit	AC Current Voltage and Frequency with IP65; Input: AC current Voltage and Frequency; Display: 3 - Colour LED Display with 14mm Digit Height; Accuracy Class as per Datasheet Output: 2 OC type & RS485 Modbus	85 ... 253 V AC/ DC OR 20 ... 40 V AC/ 20 ... 60 V DC	6300
RN20P	N20PLUS	96 x 48 x 64 mm	5 Digit	Temperature & Standard Input Signals with IP65; Input: Lower Input DC Current Voltage and Temperature; Display: 3 - Colour LED Display with 14mm Digit Height; Accuracy Class as per Datasheet Output: 2 OC type & RS485 Modbus		6450
RN20HP	N20HPLUS	96 x 48 x 64 mm	5 Digit	Higher Voltage Input Signal with IP65; Input: DC Voltage; Display: 3 - Colour LED Display with 14mm Digit Height; Accuracy Class as per Datasheet Output: 2 OC type & RS485 Modbus		6600
N30 Series - Programmable via Front Key with Tri-colour Display						
RN30U	N30U	96 x 48 x 93 mm	5 Digit	Temperature & Standard Input Signals with IP65; Input: Universal Input (RTD Thermocouple Resistance and Standard Signals); Display: 3 - Colour LED Display with 14mm Digit Height; Accuracy Class as per Datasheet Output: 2 NO relays;	85 ... 253 V AC/ DC OR 20 ... 40 V AC/ DC	7185
RN30H	N30H	96 x 48 x 93 mm	5 Digit	Higher DC Voltage & Current Signals with IP65; Input: Universal Input (Higher DC Voltage & Current); Display: 3 - Colour LED Display with 14mm Digit Height; Accuracy Class as per Datasheet Output: 2 NO relays;		7275
RN30O	N30O	96 x 48 x 93 mm	5 Digit	Pulses Frequency Rotational Speed Period Work time Counter with IP65; Input: Universal Input (Pulses Hz Rotational Speed Period Work Time Counter); Display: 3 - Colour LED Display with 14mm Digit Height; Accuracy Class as per Datasheet Output: 2 NO relays;		6705
RN30P	N30P	96 x 48 x 93 mm	5 Digit	1-phase AC Parameter with IP65; Universal Input: 1 - Phase AC Parameters; Display: 3 - Colour LED Display with 14mm Digit Height; Accuracy Class as per Datasheet Output: 2 NO relays;		6475
Options for N30 Series				RS485 Interface Analog Output and Pulse Output		3595
				RS485 Interface Analog Output Pulse Output and 2 Change-Over Relays (NC - C - NO)		3970
Digital Bargraph Meters - Horizontal and Vertical Types						
Digital Bargraph Meters - Horizontal Type (1 Channel)						
RNA3 F	NA3 F		4 Digit 3 - Colour: 45 Segments & 7 - Colour: 25 Segments	1-Channel Bargraph for Temperature Standard Signals Resistance DC V & I with IP65; Input: (Universal Input - RTD TC Resistance DC V & I and Standard Signals); Display: LED Displays with 7mm Digit Height & Bargraph Display; Accuracy Class: 0.5;		14565
Extra charges for NA3				7-colour bargraph		2595
				RS485 interface		1110
				Analog output		2040
				2 Relays		710
				2 OC outputs		675

Digital Meters

Group	Model	Size	Digit	Description	Auxiliary Supply	LP (INR)
Digital Bargraph Meters - Vertical Type (1 & 2 Channel)						
RNA5P	NA5PLUS	48 x 144 x 100 mm	-	1 - Channel Bargraph	95 ... 253 V AC/ DC OR 20 ... 40 V AC & 20 ... 60V DC	22015
RNA6P	NA6PLUS	48 x 144 x 100 mm	-	2 - Channel Bargraph		29240
Extra charges (for NA5 PLUS & NA6 PLUS):				7-Colour Bargraph		1350
				Single Analog Output: 0/4 ... 20mA 0 ... 10V DC		1330
				Dual Analog Output : 2x 0/4 ... 20mA or 2x 0 ... 10V DC or 1x 0/4 ... 20mA & 1x 0 ... 10V DC		2875
				4x Relay Outputs		825
				8x OC Outputs		880
Accessories for Digital Meters						
RPD14	PD14			Programmer for digital meters N24 N25 N20 and N20Z (for USB)		2790
RCZ	CZ/996-001			Frame to fit a 96 x 48mm panel meter into a hole for 96 x 96mm device		430
RATS	ATS 1...5			DIN rail mounting adaptor for panel meters: ATS1 - for 96 x 96 mm meters ATS2 - for 96 x 48 mm meters ATS3 - for 72 x 72 mm meters ATS4 - for 48 x 96 mm meters ATS5 - for 48 x 48 mm meters		1180



Power Network Meters

Group	Model	Size	Description	Auxiliary Supply	LP (INR)
Network Parameter Meters - Panel Mount					
RN14	N14	96 x 96 x 78.5 mm	3 - Phase Power Network Meter with THD measurement; Display: LCD Display with Backlight; Input: Voltage (100V or 400V) Current (1A or 5A) - Ratio Programmable; Accuracy Class as per Datasheet	85...253 V AC/ DC	10800
RND10	ND10	96 x 96 x 77 mm	3 - Phase Power Network Meter with THD measurement; Display: LCD Display with Backlight; Input: Voltage (100V or 400V or 500V) Current (1A or 5A) - Ratio Programmable;	Self Powered from L3 - Based on Input selection	10310
Extra Charges for ND10			RS485 Output		1515
RND20L	ND20LITE	96 x 96 x 77 mm	1 or 3 - Phase Power Network Meter with THD measurement; Display: LCD Display with Backlight; Input: Voltage (100V or 400V) Current (1A or 5A) - Ratio Programmable; Output : 1x Relay and 1x Pulse Accuracy Class as per Datasheet	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	10780
RND20	ND20	96 x 96 x 77 mm	1 or 3 - Phase Power Network Meter; Harmonic up to 21st; Display: LCD Display with Backlight; Input: Voltage (100V or 400V or 500V) Current (1A or 5A) - Ratio Programmable; Output: 1 Analog 1 Relays 1 OC RS485 Modbus; Accuracy Class as per Datasheet	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	13460
RND20CT	ND20CT	96 x 96 x 77 mm	1 or 3 - Phase Power Network Meter; Display: LCD Display with Backlight; Input: Voltage (100V or 400V) Current (Through plug in type CT); Output: 1 Relays 1 OC RS485 Modbus; Accuracy Class: As per datasheet;	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	10095
Extra Charges for ND20CT			ND20CT-303 - Splitter is recommended when connecting LJ single-phase current transformers with ND20CT meter.		1200
			Optional CT's as Required		On Request
RND30	ND30/ ND30IoT	96 x 96 x 77 mm	1 or 3 - Phase Power Network Meter; Harmonic up to 51st; Display: LCD colour Display with Backlight; Input: Voltage (3 x 57.7/ 100 V 3x 230/ 400 V or 3 x 110/ 190 V 3 x 400/ 690 V) Current (1A or 5A) - Onsite Programmable Output: 2x Relays RS485 Accuracy Class as per Datasheet	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	23580
Extra Charges for ND30			2 Relay 1 Analog 2 PT100 input		2510
			2 Relay 1 Analog 2 Binary input		2550
			RS485 & Ethernet with Internal 8GB Memory		4500
RND30P	ND30PNET	96 x 96 x 77 mm	1 or 3 - Phase Power Network Meter; Harmonic up to 51st; Display: LCD colour Display with Backlight; Input: Voltage (3 x 57.7/ 100 V 3x 230/ 400 V or 3 x 110/ 190 V 3 x 400/ 690 V) Current (1A or 5A) - Onsite Programmable Output: 2x Relays RS485 Profinet Accuracy Class as per Datasheet	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	25095
Extra Charges for ND30PNET			2 Relay 1 Analog 2 PT100 input		2510
			2 Relay 1 Analog 2 Binary input		2550
RND30B	ND30BAC		1 or 3 - Phase Power Network Meter; Harmonic up to 51st; Display: LCD colour Display with Backlight; Input: Voltage (3 x 57.7/ 100 V 3x 230/ 400 V or 3 x 110/ 190 V 3 x 400/ 690 V) Current (1A or 5A) - Onsite Programmable Output: 2x Relays RS485 BACNET Accuracy Class: As per datasheet	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	On Request
2 Relay 2 Binary input					

Power Network Meters

Group	Model	Size	Description	Auxiliary Supply	LP (INR)
RN100	N100	144 x 144 x 77 mm	3 - Phase Power Network Meter; Harmonic up to 51st; Display: 4 x 4(1/2) LED Digit with 14mm Digit Height (Red or Green Colour); Input: Voltage (100V or 400V or 690V); Current (1A or 5A) - Ratio Programmable; 1 Pulse Input; Output: 1 Analog 3 Relays 1 Pulse; Accuracy Class as per Datasheet	85 ... 253 V AC/ 90 ... 300 V DC	28380
Extra charges (for N100):			3 Analog Outputs + 1 Relay (instead of 3 relays 1 analog output pulse input & output)		5880
			ETHERNET + internal memory 8 GB		4440
Network Parameter Meter - DIN Rail Mount					
RN27D	N27D	110 x 53 x 60 mm	DIN Rail Mountable Power Network Meter Input: Input: AC current (up to 63A) AC Voltage Power Frequency; Display: Red LED with 8.5mm Digit Height; Accuracy Class as per Datasheet	230V AC	6355
RN27P	N27P	53 x 110 x 60 mm	DIN Rail Mountable 1 - Phase Power Network Meter; Input: AC Current (up to 63A) & Voltage; Display - Modern Graphical Display in OLED Technology; Accuracy Class as per Datasheet Output: 1 or 2 Relay Output RS485 Modbus Communication USB Port;	85 ... 253 V AC & 90 ... 300 V DC	10975
Option for N27P			Analog output instead of 1 relay		1010
RN43	N43	105 x 110 x 60 mm	3- Phase Power Network Meter Display: LCD 6 Field (2 - Line) 3-digit Display Input: Current (1A or 5A or 63A) Voltage (100V or 400V or 500V); Output: 3 Relays 1 Pulse Output RS485 Modbus Communication USB Port; Accuracy Class as per Datasheet	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	14750
RNR30	NR30	105 x 110 x 60 mm	3- Phase Power Network Meter Display: Backlit LCD screen Input: Current (1A or 5A or 63A) Voltage (3 x 57.7/ 100 V up to 3 x 100/ 170 V OR 3 x 230/ 400 V up to 3 x 400/ 690 V); Output: 1x Relays RS485 Modbus Communication USB; Accuracy Class as per Datasheet	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	26400
Extra Charges for NR30			LKEY WXNR30MQ - activation of the MQTT protocol in NR30		2150
			LKEY WXNR30SR - activation of the supervisory relay function in NR30		2150
			LKEY WXNR30MS activation of the MQTT protocol and the supervisory relay function in NR30		2800
RNR30IoT	NR30IoT	105 x 110 x 60 mm	3- Phase Power Network Meter with MQTT Protocol Display: Backlit LCD screen Input: Current (1A or 5A or 63A) Voltage (3 x 57.7/ 100 V up to 3 x 100/ 170 V OR 3 x 230/ 400 V up to 3 x 400/ 690 V); Output: 1x Relays RS485 Modbus Communication USB; Accuracy Class as per Datasheet	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	29150
Extra Charges for NR30IoT			LKEY WXNR30SR - activation of the supervisory relay function in NR30IoT		2150
RNR30BAC	NR30BAC	105 x 110 x 60 mm	3- Phase Power Network Meter with BACnet Protocol Display: Backlit LCD screen Input: Current (1A or 5A or 63A) Voltage (3 x 57.7/ 100 V up to 3 x 100/ 170 V OR 3 x 230/ 400 V up to 3 x 400/ 690 V); Output: 2x Relays RS485 Modbus Communication USB; Accuracy Class as per Datasheet	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	On Request
RNR30PNET	NR30PNET	105 x 110 x 60 mm	3- Phase Power Network Meter with Profinet Protocol Display: Backlit LCD screen Input: Current (1A or 5A or 63A) Voltage (3 x 57.7/ 100 V up to 3 x 100/ 170 V OR 3 x 230/ 400 V up to 3 x 400/ 690 V); Output: 2x Relays RS485 Modbus Communication USB; Accuracy Class as per Datasheet	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	On Request
Synchronizing Units - Panel Mount					
RKS5	KS5	96 x 96 x 77 mm	3 - Phase Synchronizing Units with LCD Colour Display; Input: 50 ... 150 V OR 150 ... 400 V Output: 2 Relays; RS485 Accuracy Class as per Datasheet	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	23040
Option for KS5			RS-485 and Ethernet		2010
Accessories for Power Network Meter					
RATS	ATS Kit (1...5)		DIN rail mounting adaptor for panel meters: ATS1 - for 96 x 96 mm meters ATS2 - for 96 x 48 mm meters ATS3 - for 72 x 72 mm meters ATS4 - for 48 x 96 mm meters ATS5 - for 48 x 48 mm meters	-	1180

Power Quality Analysers

Group	Model	Size	Description	Auxiliary Supply	LP (INR)
Panel Mount Power Quality Analyzer					
RND40	ND40	144 x 144 x 104 mm	3 - Phase Power Quality Analyzers with Touch Screen; Harmonic 51st Order with Class S measurement and without any input & Output in Standard Version Input: Voltage (3x 230V / 400V) Current: (1A or 5A) - Ratio / Onsite Programmable; 2x PT 100 Inputs	85 V ... 240 V AC (40 ... 400 Hz) & 90 V ... 320 V DC	97040
RND40	ND40	144 x 144 x 104 mm	3 - Phase Power Quality Analyzers with Touch Screen; Harmonic 51st Order with Class S/A measurement and without any input & Output in Standard Version Input: Voltage (3x 230V / 400V) Current: (1A or 5A) - Ratio / Onsite Programmable; 2x PT 100 Inputs		115345
Extra Charges for ND40			8 relay outputs		5580
			6 logic inputs 4 relay outputs		6400
			6 logic inputs 3 analog outputs		11300
RND45	ND45	144 x 144 x 104 mm	3 - Phase Advanced Power Quality Analyzers with Touch Screen;		Coming Soon
Power Quality Analyzers - Hand Held					
RNP40	NP40	262 x 173 x 66 mm	Power Quality Analyzers - NP40 Standard Set without Current Clamps Class S	Battery Operated / Power Adapter Supplied	262400
Accessory Current Clamps for NP40		Dia 8 mm	Current Clamp - KLC8C-5A (5A) (1x Piece)		11825
		Dia 8 mm	Current Clamp - CTC0080 (50A) (1x Piece)		13885
		Dia 13 mm	Current Clamp - CTC0130 (100A) (1x Piece)		15935
		Dia 52 mm	Current Clamp - CTC1535 (1000A) (1x Piece)		20305
		Dia 143 mm	Rogowski Coil - JK-3000A(1x Piece)		21005
		Dia 162 mm	Rogowski Coil - JK-5000A(1x Piece)		24675
RNP45	NP45	270 x 190 x 66 mm	Power Quality Analyzers - NP45 Standard Set without Current Clamps Class S/A	Battery Operated / Power Adapter Supplied	399000
Accessory Current Clamps for NP45		Dia 8 mm	Current Clamp - KLC8C-5A (5A) (1x Piece)		11825
		Dia 8 mm	Current Clamp - CTC0080 (50A) (1x Piece)		13885
		Dia 13 mm	Current Clamp - CTC0130 (100A) (1x Piece)		15935
		Dia 52 mm	Current Clamp - CTC1535 (1000A) (1x Piece)		20305
		Dia 143 mm	Rogowski Coil - JK-3000A(1x Piece)		21005
		Dia 162 mm	Rogowski Coil - JK-5000A(1x Piece)		24675
		30 x 35 mm	Current Clamp - ETCR035AD 1000A ac/dc (1x Piece)		16200
		Dia 110 mm	Rogowski Coil - SY 1500A (1x Piece)		10650
		Dia 250 mm	Rogowski Coil - SY 6000A (1x Piece)		26800



Transducers

Group	Model	Description	Auxiliary Supply	LP (INR)
P17 Series - Passive Transducer/ Separator with Slim Size - 6.2 mm (DIN Rail Mount)				
RP17	P17	Transducer for Temperature and DC Voltage; Loop Powered; Input: Voltage (60 mV or 10V) or Temperature (PT100 or T/C J or K or N or E type) or Resistance (150 Ω or 250 Ω); Output: 4 ... 20 mA; Accuracy Class as per Datasheet	Loop Powered	3120
RP17G	P17G	Passive separator for DC Current Signal; Loop Powered; Input: 0 ... 20mA or 4 ... 20mA; Output: 0 ... 20mA or 4 ... 20mA; Accuracy Class as per Datasheet	Loop Powered	2745
P20 Series - Programmable using PD14 Converter (DIN Rail Mount)				
RP20	P20	Transducer of Temperature & Standard Signals; Input: Standard Signals Resistance RTD Sensors & Thermocouples; Output: Single Output Linear (0/ 4 ... 20 mA or 0 ... 10 V DC); Accuracy Class as per Datasheet	85 ... 253 V AC/ DC OR 20 ... 85 V DC & 20 ... 65 V AC	5415
RP20G	P20G	Transducer of Standard signals; Input: Standard Signals (from -20 mA to 20 mA & from -10 V to 10 V); Output: from -20 mA to 20 mA & from -10 V to 10 V; Accuracy Class as per Datasheet	85 ... 253 V AC/ DC OR 20 ... 85 V DC & 20 ... 65 V AC	6495
RP20H	P20H	Transducer of Higher DC Current/ DC Voltage; Input: Voltage (Up to ± 600V DC) Current (Up to ± 6A DC); Output: Single Output Linear (0/ 4 ... 20 mA or 0 ... 10 V DC) or RS485 Modbus Communication; Accuracy Class as per Datasheet	85 ... 253 V AC/ DC OR 20... 40 V AC/ DC	4845
RP20Z	P20Z V	Non-Configurable Transducer of AC Voltage; DIN Rail Mountable; Accuracy Class: ± 0.2% of range; Input: Up to 600V AC (Input Frequency Range: 45 ... 500 Hz) Output: Single Output Linear (0 ... 5 mA or 0/ 4 ... 20 mA or 0 ... 10 V DC);	85 ... 253 V AC/ DC OR 20... 40 V AC/ DC	9300
RP20Z	P20Z A	Non-Configurable Transducer of AC Current; DIN Rail Mountable; Input: 1 or 5 A AC (Input Frequency Range: 45 ... 500 Hz); Output: Single Output Linear (0/ 4 ... 20 mA or 0 ... 10 V DC); Accuracy Class: 0.2;	85 ... 253 V AC/ DC OR 20... 40 V AC/ DC	7730
Option for P20 / P20G / P20H		Configuration of parameters acc. to customer's request		400
RP21Z	P21Z	Transducer of AC Current/ DC Voltage Input: Voltage (Up to 600V AC) or Current (1/ 5A AC) or Frequency (20 ... 500 Hz - in Voltage Range 24 ... 480 V AC); Output: Single Output Linear (0/ 4 ... 20 mA or 0 ... 10 V DC) or RS485 Modbus; Accuracy Class as per Datasheet	85 ... 253 V AC & 90...300 V DC OR 20 ... 40 V AC & 20 ... 60 V DC	5535
Option for P21Z		Configuration of parameters acc. to customer's request		400
P30 Series - Transducers with Recording Feature (DIN Rail Mount)				
RP30O	P30O	Transducer of Frequency Impulses Period & Rotational Speed Without Memory Card Slot & Ethernet 2x Universal Inputs: Pulses Hz Period Time Counter Input; Output: Analog (0/ 4 ... 20 mA) 1 or 2 Relay Power Supply (24V DC/ 30mA) for Sensor RS485 Modbus; Accuracy Class as per Datasheet		12445
RP30U	P30U	Transducer of Temperature DC Current & Voltage Without Memory Card Slot & Ethernet; Input: Universal (DC Voltage Current Resistance RTD Sensor T/C); Output: Analog (0/ 4 ... 20 mA) 1 or 2 Relay Power Supply (24V DC/ 30mA) for Sensor RS485 Modbus; Accuracy Class as per Datasheet	85 ... 253 V AC/ DC OR 20... 40 V AC & 20 ... 60 V DC	12060
RP30P	P30P	Transducer of 1-Phase AC parameters Without Memory Card Slot & Ethernet; Input: Universal (AC Voltage Current - Measures all electrical parameters); Output: Analog (0/ 4 ... 20 mA) 2 Relay RS485 Modbus; Accuracy Class as per Datasheet		17140
RP30H	P30H	Transducer of Higher DC Current & Voltage Without Memory Card Slot & Ethernet; Input: Universal (DC Voltage Current); Output: Analog (0/ 4 ... 20 mA) 2 Relay RS485 Modbus; Accuracy Class as per Datasheet		16800
Option for P30 Series		Second Analog output (for P30P & P30H only)		2770
		Slot for SD memory cards		645
		Ethernet with 2GB internal memory		4565
		Industrial Grade 1GB SD card (Code: 20-199-00-00023)		4710
		Industrial Grade 2GB SD card (Code: 20-199-00-00025)		5645

Transducers

Group	Model	Description	Auxiliary Supply	LP (INR)
P4X Series - Network Parameters Transducer (DIN Rail Mount)				
RP41	P41	Transducer of 1-Phase Power Network Parameters; Measurement; Input: Voltage (100V or 400 V AC); Current (1A or 5A AC); Output: 1- Analog Output & RS485 Modbus Output USB Port; Accuracy Class as per Datasheet	85 ... 253 V AC & 90 ... 300 V DC OR 20 ... 40 V AC & 20 ... 60 V DC	10445
Option for P41		Configuration of parameters acc. to customer's request		400
RP43	P43	Transducer of 3-Phase Power Network Parameters; Input: Voltage (100V or 400 V AC); Current (1A or 5A AC); Output: 4 - Relay Impulse RS485 Modbus Output USB Outputs; Accuracy Class as per Datasheet	85 ... 253 V AC & 90 ... 300 V DC OR 20 ... 40 V AC & 20 ... 60 V DC	14395
Option for P43		Transducer with 2 Analog Outputs (-20 ... 20 mA) & 2 Relay Output		4460
		Transducer with 4 Analog Outputs (-20 ... 20 mA) & Without Relay Outputs		6240
Temperature and Humidity Transducers (Wall Mount)				
RP18	P18	Temperature and Humidity Transducer with External Sensor; without Display Output: RS485 Modbus; Accuracy Class as per Datasheet	9 ... 24 V AC/ DC	5410
RP18D	P18D	Temperature and Humidity Transducer with External Sensor; With Display; Output: RS485 Modbus; Accuracy Class as per Datasheet	9 ... 24 V AC/ DC	6430
RP18L	P18L	Temperature or Humidity Transducer with External Sensor; Loop Powered; Output: RS485 Modbus; Accuracy Class as per Datasheet	19 ... 30 V DC	4790
RP18S	P18S	Temperature humidity sensor with RS 45 port	9 ... 28 V AC/DC	7550
Options for P18 & P18D only		2 - Analog Outputs (4 ... 20 mA or 0 ... 10 V)		540
		Configuration of parameters acc. to customer's request		555
		Sensor mounted on wire - (wire length ca. 500mm diameter of sensor tube: 12mm diameter of protection cover: 11.8mm length of sensor: 85mm)		880
Filters for P18 P18D & P18L		Membrane filter		3690
		Teflon filter		6915
		Sintered bronze filter		4125
RP19	P19	Temperature or Humidity Transducer with In-built Sensor; Output: RS485 Modbus; Accuracy Class as per Datasheet	19 ... 30 V DC	4795
Hall Effect Transducer				
RT23C	T23CT	Hall Effect AC/DC Current Transducer; Input: Current - 50 or 100 or 150A AC/ DC Output: 4 ... 20 mA DC; Accuracy Class as per Datasheet	-	12600
RT23C	T23CT	Hall Effect AC/DC Current Transducer; Input: Current - 200 or 300A AC/ DC Output: 4 ... 20 mA DC; Accuracy Class as per Datasheet	-	14300
Level Transmitter				
RULT20	ULT20	Level Transmitter		On Request
Accessory for Special Products (DPM Bargraph Transducers Temperature Controllers I/O Modules Converters)				
RPD14	PD14	Programmer unit for Rishabh products - for USB;	Supply from USB Port	2790



Controllers & Sensors

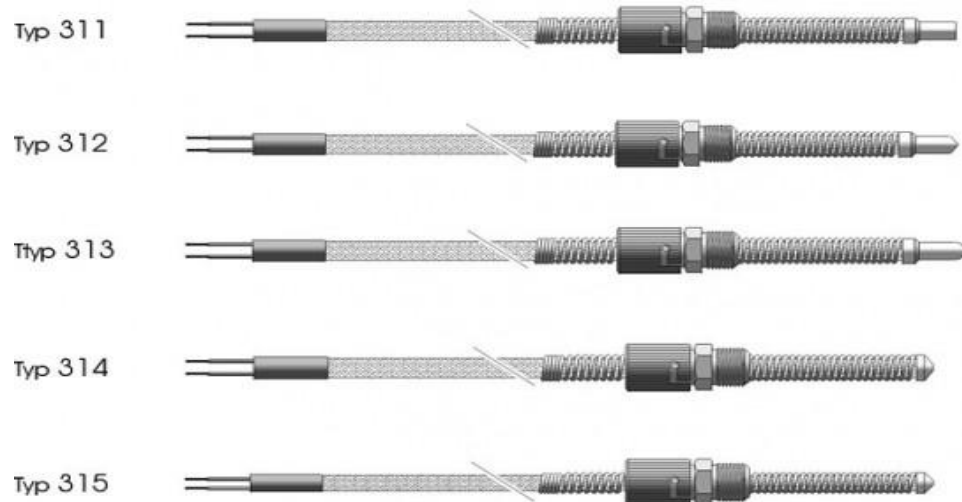
Group	Model	Size	Description	Auxiliary Supply	LP (INR)
Controllers with Constant - Value Control					
RRE01	RE01	76 x 34 x 80 mm	Input: PT100 or PT1000 or NTC or Binary Voltage; Output: Relay or binary 0/5 V for relay of SSR type; Accuracy Class as per Datasheet	230 V AC	6260
RRE22	RE22	48 x 48 x 93 mm	Input: Universal RTD & T/C or Standard Signals; Output: Relay or binary 0/5 V for relay of SSR type; Accuracy Class as per Datasheet	230 V AC OR 110 V AC OR 24 V AC	4720
RRL10	RL10	48 x 48 x 93 mm	Input: Universal RTD or T/C; Output: Relay; Accuracy Class as per Datasheet	230 V AC	5795
Controllers with Analog Settings					
RRE55	RE55	96 x 96 x 65 mm	Temperature Controller with Thumbwheel Operation; Input: RTD (PT100 Sensor) or T/C (J or K or S Type); Output: Control (Relay or Transistor) and Alarm (Relay Option); Accuracy Class as per Datasheet	85 ... 253 V AC/ DC	8970
Option for RE55			Configurable Version with Buttons and an Alarm Output		2220
DIN Rail - Mounted Controller					
RRE60	RE60	45 x 100 x 120 mm	Input: RTD (PT100 Sensor) or T/C (J or K or S Type); Output: Relay or Binary 0/5 V for Relay of SSR Type; Accuracy Class as per Datasheet	230V AC	6160
Option for RE60		1 Alarm Relay			480
		2 Alarm Relays			980
		Optional Auxiliary Supply		110 V AC or 24 V AC or 18 ... 72 V DC	2315
RRE62	RE62	53 x 110 x 60.5 mm	Input: RTD (PT100 Sensor) or T/C (J or K Type) or Standard Signal (Voltage: $\pm 60\text{mV}$ or $\pm 10\text{V}$; Current: $\pm 20\text{mA}$) - onsite programmable; Output: Relay; Accuracy Class as per Datasheet	22 ... 60 V AC & 20 ... 60 V DC OR 60 ... 253 V AC. & 60 ... 300 V DC	8365
Options for RE62		Additional Relay Output - 5A / 230VAC / Binary output			175
		Continuous Output - 0/4 ... 20 mA or 0 ... 10V or 0 ... 5 V			1805
		Supplying Output 24VDC / 40mA			645
		RS485 Modbus Communication			1155
PID Controllers - Basic					
TC41	RE56	48 x 48 x 87.35 mm	Input: RTD Sensors: PT100 Thermocouple Sensors: J T K S R Output: 1x SSR driving or 1x Relay Output; Accuracy Class as per Datasheet	60 ... 280 V AC/DC	1350
TC40	RE57	48 x 48 x 87.35 mm	Input: RTD Sensors: PT100 PT1000 Thermocouple Sensors: J T K S R B N E Standard Signals: 0/4 ... 20mA or 0 ... 5 / 10V; Output: 1x SSR driving Output; Accuracy Class as per Datasheet	60 ... 280 V AC/DC OR 20 ... 60V DC 20 V - 40V AC	2620
TC40	RE96	96 x 96 x 72.15 mm			2690
TC40	RE77	48 x 96 x 72.15 mm			2750
Extra Charges for RE57 / RE77 / RE96		1x Relay Output			140
		1x Relay + 1x SSR Output			400
		2x SSR Outputs			170
		2x Relay Output			540
RE70	RE70	48 x 48 x 93 mm	Input: Universal RTD & T/C; Output: Relay; Accuracy Class as per Datasheet	230V AC	2970
RRE71	RE71	48 x 48 x 93 mm	Input: RTD (PT100 Sensor) or T/C (J or K or S Type); Output: Relay or Binary 0/6 V for Relay of SSR type; Accuracy Class as per Datasheet	230V AC	4705
RRE81	RE81	48 x 96 x 93 mm	Input: RTD (PT100 Sensor) or T/C (J or K or S Type); Output: Main Output - Relay & Second Output - Relay or Binary 0/6 V for Relay of SSR type; Accuracy Class as per Datasheet	230V AC	5870

Controllers & Sensors

Group	Model	Size	Description	Auxiliary Supply	LP (INR)
Special Purpose					
PID Controllers					
RRE72	RE72	48 x 48 x 93 mm	Temperature Controller Programmable through econ software; Input: Universally Programmable RTD T/C and Standard Signals; Output: Relay or Binary 0/5V RS485 Communication; Accuracy Class as per Datasheet	85 ... 253 V AC/ DC	7770
Options for RE72 Controller			Continuous Signal - Analog Output (0/4 ... 20 mA or 0 ... 5/10 V DC)		1360
			Binary Logic Input		205
			Third Output (Relay)		245
			Power Supply Output (24V DC/ 30mA) for Sensor		560
			Additional Input - Analog Signal (0/4...20 mA) or CT Input		900
			Optional Auxiliary Supply	20 ... 40 V AC/ DC	900
RRE82	RE82	48 x 96 x 93 mm	Temperature Controller Programmable through econ software; Input: Universally Programmable RTD T/C and Standard Signals; Binary Input Output: 2 Relay in Standard & Optional 2 Outputs: Relay OC; Accuracy Class as per Datasheet	85 ... 253 V AC/ DC	10720
Options for RE82 Controller			Continuous Signal - Analog Output (0/4 ... 20 mA or 0 ... 5/10 V DC)		1360
			Power Supply Output (24V DC/ 30mA) for Sensor		560
			Optional Auxiliary Supply	20 ... 40 V AC/ DC	900
			CT94 - 50A Current Transformer used with CT Input in RE72 or RE82	-	1230
Dual - Loop Controllers					
RRE92	RE92	96 x 96 x 100 mm	Temperature Controller with Ethernet Facility; Input: Universally Programmable 2 - Independent Channels with RTD T/C and Standard Signals; 3 Binary Input; Output: Relay OC; Accuracy Class as per Datasheet	85 ... 253 V AC/ DC	37165
Options for RE92			Continuous Output Signal - Analog Output (0/4 ... 20 mA or 0 ... 5/10 V DC) - Total 8 Outputs		2230
			Power Supply Output (24V DC/ 30mA) for Sensor		835
			Additional Measuring Input (3rd - Input) - Standard Signal (0/4 ... 20 mA or 0 ... 5/10 V DC or 0...100/1000 Ω)		1030
			Ethernet		1695
Injection Moulding Controllers					
RSR11	SR11 11	Varies on No. of Controllers selected	System with 1 controller	1 Zone System: 230 V AC & 2 ... 8 Zone System: 3 x 230/ 400 V AC	24250
RSR11	SR11 32		System with 2 controllers		60120
RSR11	SR11 33		System with 3 controllers		74745
RSR11	SR11 64		System with 4 controllers		93025
RSR11	SR11 65		System with 5 controllers		127020
RSR11	SR11 66		System with 6 controllers		125885
RSR11	SR11 87		System with 7 controllers		144380
RSR11	SR11 88		System with 8 controllers		157370
Extra charges (for SR11):					RS-485 interface for one controller

Controllers & Sensors

Group	Model	Size	Description	Auxiliary Supply	LP (INR)
Accessories for Injection Moulding Controller					
RBR11	BR11		Controller for SR11 systems		13495
Extra charges:			RS-485 interface		1255
RZP11	ZP11 1		Connecting set for SR11 1 3m long (for thermocouples and heaters)		16220
RZP11	ZP11 2		Connecting set for SR11 3 SR11 6 SR11 8 3m long (for Thermocouples and heaters)-(SR11 65 SR11 66 SR11 8 require 2 sets)		34740
RZP11	ZP11 3		Connecting set for SR11 6 3m long (for thermocouples)		64010
RZP11	ZP11 4		Connecting set for SR11 6 3m long (for heaters)		37545
RZP11	ZP11 5		Connecting set for SR11 8 3m long (for thermocouples)		64000
RZP11	ZP11 6		Connecting set for SR11 8 3m long (for heaters)		34985
Extra charges:			ZP11 6m long		7450
RGP11	GP11		Connector for set ZP11		3945
PID-Fuzzy Logic Controllers					
RRE41	RE41	96 x 96 x 65 mm	PID-Fuzzy Logic Controllers Single Channel Controller	90...264 V AC	19950
RRE42	RE42	48 x 96 x 80 mm	PID-Fuzzy Logic Controllers Single Channel Controller		18850
RRE43	RE43	50.7 x 50.7 x 88.5 mm	PID-Fuzzy Logic Controllers Single Channel Controller		15730
RRE44	RE44	50 x 26.5 x 110.5 mm	PID-Fuzzy Logic Controllers Single Channel Controller		14200
Extra Charges for RE41 RE42 RE43 & RE44			voltage 0/5 V for SSR		760
			analog isolated 0/4...20 mA or 0 ... 10V		1850
			triac 1A/240V a.c		1050
			isolated supply for object transducers 20 V/25 mA		3550
			Auxilliary Supply : 11...26 V a.c./d.c.		4700
			RS-485		2500
Sensors					
RCT1	CT1	CT1 0100			4500
RCT1	CT1	CT1 0300			4100
RCT1	CT1	CT1 0500			3400
RCT1	CT1	CT1 0501			3400
RCT1	CT1	CT1 0505			3400
RCT1	CT1	CT1 0600			3350
RCT1	CT1	CT1 0700			4300
RCT1	CT1	CT1 0800			4200
RCT1	CT1	CT1 0900			4350
RCT1	CT1	CT1 1100			3900
RCT1	CT1	CT1 1500			4600



Power Controllers

Group	Model	Size	Description	Auxiliary Supply	LP (INR)
RRP1	RP1	135 x 201 x 199 mm;	1 – Phase Thyristorized (Resistive/ Inductive Load) Power Controller; Input: Potentiometric (0 to 10 kΩ) Impulse (0/4 ... 32 V) Standard Signals (0 ... 5/ 10V or 0/4 ... 20 mA); Output: Thyristor (25A 40A 70A 20 ... 440 V 50/60 Hz) Alarming Relay PK1 & PK2 (60 mA 350 V Ron= 35 Ω);	85 ... 135 V AC OR 195 ... 253 V AC	30435
RRP1	RP1	135 x 231 x 199 mm	1 – Phase Thyristorized (Resistive/ Inductive Load) Power Controller; Input: Potentiometric (0 to 10 kΩ) Impulse (0/4 ... 32 V) Standard Signals (0 ... 5/ 10V or 0/4 ... 20 mA); Output: Thyristor (125A 20 ... 440 V 50/60 Hz) Alarming Relay PK1 & PK2 (60 mA 350 V Ron= 35 Ω);	85 ... 135 V AC OR 195 ... 253 V AC	33975
RRPL1	RPL1	135 x 201 x 199 mm	1 – Phase Thyristorized (Resistive or Rectifier Circuit) Power Controller; Input: Synchronization Input Control Voltage & Current Input Pulse Input (0/4...32 V) STOP Signal Input; Output: Current (25A 40A 70A 230V AC or 400 V AC or 500V AC) Voltage (Master/ Slave - 6 ... 12V) Relay;	195 ... 253 V AC	28600
RRPL1	RPL1	135 x 231 x 199 mm	1 – Phase Thyristorized (Resistive or Rectifier Circuit) Power Controller; Input: Synchronization Input Control Voltage & Current Input Pulse Input (0/4...32 V) STOP Signal Input; Output: Current (125A 230V AC or 400 V AC or 500V AC) Voltage (Master/ Slave - 6 ... 12V) Relay;	195 ... 253 V AC	33140
RRP3	RP3	212 x 318 x 177 mm	3 – Phase Thyristorized (Resistive/ Inductive Load) Power Controller; Input: Potentiometric (0 to 10 kΩ) Impulse (0/4 ... 32 V) Standard Signals (0 ... 5/ 10V or 0/4 ... 20 mA); Output: Current (40A 3 ~ 400 V 50 Hz) Alarming Relay PK1 & PK2 (60 mA 350 V Ron= 35 Ω);	195 ... 253 V AC	71090
RRP3	RP3	212 x 318 x 177 mm	3 – Phase Thyristorized (Resistive/ Inductive Load) Power Controller; Input: Potentiometric (0 to 10 kΩ) Impulse (0/4 ... 32 V) Standard Signals (0 ... 5/ 10V or 0/4 ... 20 mA); Output: Current (70A 3 ~ 400 V 50 Hz) Alarming Relay PK1 & PK2 (60 mA 350 V Ron= 35 Ω);	195 ... 253 V AC	72195
RRP3	RP3	212 x 318 x 177 mm	3 – Phase Thyristorized (Resistive/ Inductive Load) Power Controller; Input: Potentiometric (0 to 10 kΩ) Impulse (0/4 ... 32 V) Standard Signals (0 ... 5/ 10V or 0/4 ... 20 mA); Output: Current (125A 3 ~ 400 V 50 Hz) Alarming Relay PK1 & PK2 (60 mA 350 V Ron= 35 Ω);	195 ... 253 V AC	76960
RRP3	RP3	383 x 433 x 281 mm	3 – Phase Thyristorized (Resistive/ Inductive Load) Power Controller; Input: Potentiometric (0 to 10 kΩ) Impulse (0/4 ... 32 V) Standard Signals (0 ... 5/ 10V or 0/4 ... 20 mA); Output: Current (200A 3 ~ 400 V 50 Hz) Alarming Relay PK1 & PK2 (60 mA 350 V Ron= 35 Ω);	195 ... 253 V AC	192475
RRP3	RP3	383 x 433 x 281 mm	3 – Phase Thyristorized (Resistive/ Inductive Load) Power Controller; Input: Potentiometric (0 to 10 kΩ) Impulse (0/4 ... 32 V) Standard Signals (0 ... 5/ 10V or 0/4 ... 20 mA); Output: Current (300A 3 ~ 400 V 50 Hz) Alarming Relay PK1 & PK2 (60 mA 350 V Ron= 35 Ω);	195 ... 253 V AC	187860
RRP3	RP3	383 x 433 x 281 mm	3 – Phase Thyristorized (Resistive/ Inductive Load) Power Controller; Input: Potentiometric (0 to 10 kΩ) Impulse (0/4 ... 32 V) Standard Signals (0 ... 5/ 10V or 0/4 ... 20 mA); Output: Current (450A 3 ~ 400 V 50 Hz) Alarming Relay PK1 & PK2 (60 mA 350 V Ron= 35 Ω);	195 ... 253 V AC	198560
RRP7	RP7	50 x 105 x 105 mm	1 – Phase Thyristorized (Resistive/ Inductive Load) Power Controller; Input: Potentiometric (0 to 10 kΩ) Standard Signals (0 ... 5/ 10V or 0/4 ... 20 mA); Output: Triac (5 10 15 A; 195 .. 230 .. 253 V AC);	Auxiliary Supply : 85 ... 253 V or 20 ... 40V AC/ DC (with 24V DC Supplying Output only for N24/ N25 (S & T)	9945

Recorders

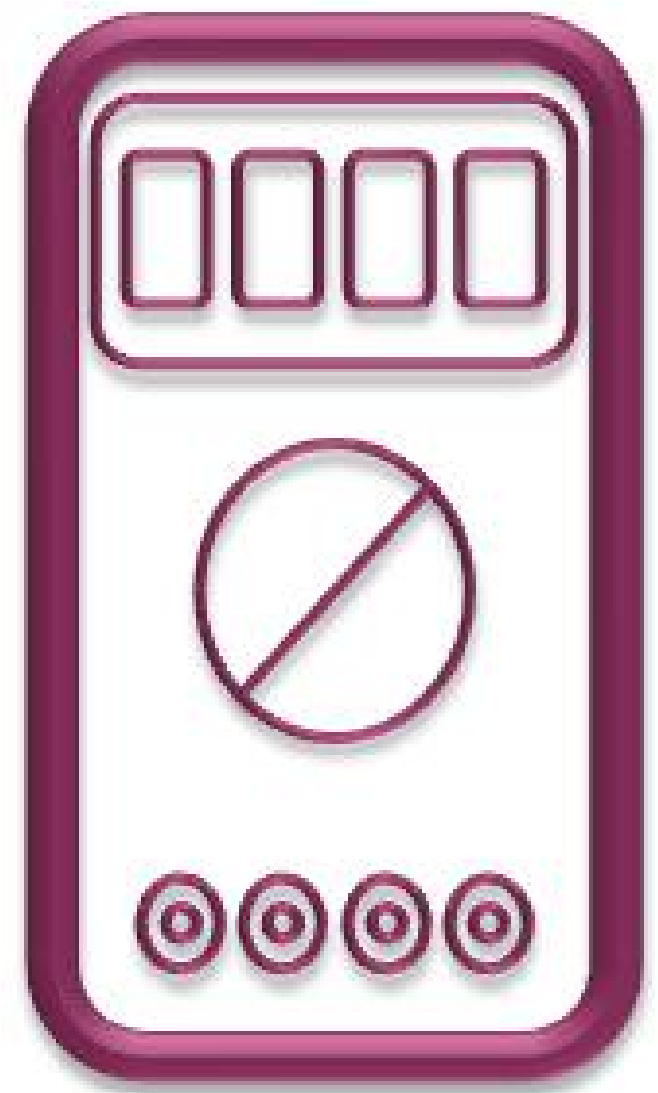
Group	Model	Size	Description	Auxiliary Supply	LP (INR)
Paperless Recorders					
RKD8	KD8	144 x 144 x 155 mm	Touch-screen with 4GB Memory card; Input: 3 Universal (Programmable) Measuring Inputs Output: USB & RS485 Slave; Software: KD Connect software	90 ... 253 V AC	69490
Options for KD8			3 Additional Universal (Programmable) Measuring Inputs (Total 6 Inputs)		3140
			6 Relays + 4 Logic Inputs (For 3-Channel Recorder Only)		5690
			12 Relays + 8 Logic Inputs (For 6-Channel Recorder Only)		11070
			PC Software For KD8 (Setup + Archive)		3660
RKD7	KD7	144 x 144 x 155 mm	Touch-screen with 4GB Memory card; Input: Without Measuring Inputs Software: KD Connect software Output: USB ;	90 ... 253 V AC	67455
Options for KD7			6 Standard Measuring Inputs (Fixed Range acc. to Ordering Code)		9955
			6 Universal (Programmable) Measuring Inputs		14720
			3 Universal (Programmable) Measuring Inputs		11275
			8 Relays + 8 OptoMOS Outputs		8600
			8 Logic Inputs + 4 Analog Outputs		14895
			Ethernet + RS-485 (Slave)		3055
			Ethernet + RS-232		3055
			Mathematic Functions		3420
			PC Software For KD7 (Setup + Archive)		3660
R20	20-199-00-00021	Compact Flash Card	Memory Card 4GB (Spare Part) for KD7 & KD8		9450
Data Acquisition Module with WWW & FTP Server					
RSM61	SM61	45 x 120 x 100 mm	Data Acquisition Module with WWW server; Input: RS485 Modbus; Output: RS485/ RS232 / Ethernet With in-built Flash Memory Built-in FTP & Web Server;	85 ... 253 V AC/ DC OR 20 ... 50 V AC/ DC	17055
RSM61IoT	SM61IoT	45 x 120 x 100 mm	Data Acquisition Module with WWW server; with MQTT Input: RS485 Modbus; Output: RS485/ RS232 / Ethernet With in-built Flash Memory Built-in FTP & Web Server;	85 ... 253 V AC/ DC OR 20 ... 50 V AC/ DC	17415
Option for SM61 & SM61IoT			License for Alarm E-Mails		2380
Temperature & Humidity Monitor cum Recorder					
RHT20	HT20IoT	150 x 100 x 30	HT20 Temperature and humidity monitor cum recorder with Supply 6V DC	PoE or 6V	19675
RHT20	HT20IoT	150 x 100 x 30	HT20 Temperature and humidity monitor cum recorder with Supply 6 V DC PoE IEEE 802.3af		21825
RHT22	HT22IoT	150 x 100 x 30	Environmental Parameter monitor cum recorder		Coming Soon
Extra Charge for HT20/ HT20IoT/ HT22IoT			Conductor for PoE adapter		440
RHT25	HT25	150 x 100 x 30	Temperature and humidity monitor cum recorder		22150
Extra Charge for HT20/ HTIoT/ HT22IoT/ HT25			6V DC adapter		1755
			PoE adapter		8860
Panel Mount Digital Recorder					
RN30B	N30B	96 x 48 x 93 mm	Digital Panel Mount Recorder with IP65; Input: RS485 MODBUS; Display: 3 - Colour LED Display with 14mm Digit Height; Accuracy Class: As per datasheet Output: 2 NO relays;	85 ... 253 V AC/ DC OR 20 ... 40 V AC/ DC	8600
Options for N30 Series			RS485 Interface Analog Output and Pulse Output		3900
			RS485 Interface Analog Output Pulse Output and 2 Change-Over Relays (NC - C - NO)		4350

Converters & IO Modules

Group	Model	Size	Description	Auxiliary Supply	LP (INR)
Converters					
RPD22	PD22	45 x 120 x 100 mm	Data Concentrator/ Data Logger	85 ... 253 V AC/ DC OR 20 ... 50 V AC/DC	11510
RPD51	PD51A	22.5 x 120 x 100 mm	Repeater RS485 / RS232 - DIN Rail Mountable	7 ... 35 V DC OR 20 ... 40 V AC / DC OR 85 ... 253 V AC / DC	6250
RPD8	PD8	45 x 120 x 100 mm	Converter of the RS485 / Ethernet	85 ... 253 V AC / DC OR 20 ... 50 V AC / DC	25470
RPD10	PD10	52 x 44 x 24 mm	Converter RS485 / USB	5V taken from USB port	4520
I/O Modules					
Input Modules					
RSM1	SM1	22.5 x 120 x 100 mm	2 - Channel Input Module of Analog Signals with RS485 Interface; Input: Temperature Standard Signals (Current or Voltage) Resistances; Output: RS485 Modbus Communication;	85 ... 253 V AC/ DC OR 20 ... 50 V AC/DC	8530
RSM2	SM2	45 x 120 x 100 mm	4 - Channel Input Module of Analog Signals with RS485 Interface; Input: Temperature Standard Signals (Current or Voltage) Resistances; Output: RS485 Modbus Communication;		16730
RSM3	SM3	22.5 x 120 x 100 mm	2 - Channel Input Module of Digital Signals with RS485 Interface; Input: Logic/ Binary Input or Counter Input; Output: RS485 Modbus Communication;		7450
RSM5	SM5	45 x 120 x 100 mm	8 - Channel Input Module of Digital Signals with RS485 Interface; Input: Logic/ Binary Input; Output: RS485 Modbus Communication;		7600
RS4AI	S4AI	53 x 110 x 60.5 mm	4 - Channel Analog input with RS485 Modbus Interfaces; Input: 4 Programmable Analog Inputs: ± 10 V / ± 20 mA OR 4x Programmable Analog Inputs: Pt100 Pt500 Pt1000 J K S ± 150 mV Output: RS485 Modbus Communication;	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	17190
Output Modules					
RSM4	SM4	45 x 120 x 100 mm	4 - Channel Relay output or 8 - Channel OC type Output with RS485 Interfaces; Input: RS485 Modbus Communication; Output: 4 Relay outputs of 8 OC Outputs;	85 ... 253 V AC/ DC OR 20 ... 50 V AC/ DC	8150
RS4AO	S4AO	53 x 110 x 60.5 mm	4 - Channel Analog output with RS485 Modbus Interfaces; Input: RS485 Modbus Communication; Output: 4 Analog outputs;	85 ... 253 V AC 90 ... 300 V DC OR 20 ... 40 V AC 20 ... 60 V DC	16280

Lab Equipments

Group	Model	Size	Description	Auxiliary Supply	LP (INR)
RHA-P	HA-PSA3515	254 x 103 x 374	Programmable DC power supply_HA-PSA3515	100 ... 240V AC	On Request
RHA-G	HA-GFA005	425 x 150 x 465	Synthesized signal generator_HA-GFA005	115 - 230V AC	
RHA-D	HA-DMA512	260 x 106 x 375	Digital multimeters - HA-DMA512	115 /230V AC	
RHA-D	HA-DMA612	260 x 106 x 375	Digital multimeters - HA-DMA612	115 /230V AC	



TMI Expertise

Material Code	Model No	Description	Digits/Counts	Category	LP (INR)
Digital Multimeters					
Economical Multimeters					
MM10-1N2Z000000000	RISH Max 10	MAX 10	[3 3/4], 3999	CAT II	2330
MM10-1F2Z000000000		MAX 10 Fine Tip Probe			
MM67-402F00Z000000	Young	DMM YOUNG FT W/O BACKLIT W/O HOLSTER	[3 3/4], 3999	NA	1590
MM67-402F000000000	Young	DMM YOUNG FT W/O BACKLIT WITH HOLSTER	[3 3/4], 3999	NA	1660
MM67-401F00Z000000	i-Young	DMM i-YOUNG FT W/O BACKLIT W/O HOLSTER	[3 3/4], 3999	NA	1700
MM67-401F000000000	i-Young	DMM iYOUNG FT W/O BACKLIT WITH HOLSTER	[3 3/4], 3999	NA	1770
General Purpose Multimeters					
MM60-410N000000000	RISHABH 410	DMM 410 NT	[3 3/4], 3999	CAT III	2900
MM60-410F000000000		DMM 410 Fine Tip Probe			
MM60-612N000000000	RISHABH 612	DMM 612 NT	[4], 6600	CAT IV	4040
MM60-612F000000000		DMM 612 Fine Tip Probe			
MM60-613N000000000	RISHABH 613	DMM 613 NT	[4], 6600	CAT III	4160
MM60-613F000000000		DMM 613 Fine Tip Probe			
MM60-615N000000000	RISHABH 615	DMM 615 NT	[4], 6600	CAT IV	4390
MM60-615F000000000		DMM 615 Fine Tip Probe			
MM60-616N000000000	RISHABH 616	DMM 616 NT TRMS	[4], 6600	CAT IV	7230
MM60-616F000000000		DMM 616 Fine Tip Probe TRMS			
Industrial Multimeters					
MM20-2NB4000000000	RISH Multi 12S	Multi 12S Backlit	[3 3/4], 3100	CAT IV	4610
MM20-2FB4000000000		Multi 12S Fine Tip Backlit			
MM20-3NB4000000000	RISH Multi 13S	Multi 13S Backlit	[3 3/4], 3100	CAT III	5200
MM20-3FB4000000000		Multi 13S Fine Tip Backlit			
MM20-4NB4000000000	RISH Multi 14S	Multi 14S Backlit	[3 3/4], 3100	CAT IV	5290
MM20-4FB4000000000		Multi 14S Fine Tip Backlit			
MM20-5NB4000000000	RISH Multi 15S	Multi 15S Backlit	[3 3/4], 3100	CAT IV	6890
MM20-5FB4000000000		Multi 15S Fine Tip Backlit			
MM20-6NB4000000000	RISH Multi 16S	Multi 16S TRMS Backlit	[3 3/4], 3100	CAT IV	10270
MM20-6FB4000000000		Multi 16S TRMS Fine Tip TRMS Backlit			
Advanced Multimeters					
MM20-7NB4000000000	RISH Multi 18S	Multi 18S TRMS Backlit	[4 3/4], 31000	CAT IV	15580
MM20-7FB4000000000		Multi 18S Fine Tip TRMS Backlit			
MM20-8NB4000000000	RISH Multi 18S IR	Multi 18S IR (Indian Railway) TRMS Backlit	[4 3/4], 31000	CAT IV	16390
MM20-8FB4000000000		Multi 18S IR (Indian Railway) Fine Tip TRMS Backlit			
MM20-9NB4000000000	RISH Multi 20	Multi 20 TRMS Backlit	[5 3/4], 310000	CAT IV	17480
MM20-9FB4000000000		Multi 20 Fine Tip TRMS Backlit			
IT30-1N00000000000	RISH MIT 30	MIT 30 TRMS , 3 GΩ Insulation resistance measurement	[3 3/4], 3100	CAT III	9510
IT30-1F00000000000		MIT 30 Fine Tip TRMS , 3 GΩ Insulation resistance measurement			
MM66-6012N000000000	RISHABH 6012	TRMS Datalogging DMM	[5], 60000	CAT IV	13160
MM66-6012F000000000		TRMS Datalogging DMM Fine Tip			
MM66-6013N000000000	RISHABH 6013	TRMS Datalogging DMM	[5], 60000	CAT II	14310
MM66-6013F000000000		TRMS Datalogging DMM Fine Tip			
MM66-6015N000000000	RISHABH 6015	TRMS Datalogging DMM	[5], 60000	CAT IV	15910
MM66-6015F000000000		TRMS Datalogging DMM Fine Tip			
MM66-6016N000000000	RISHABH 6016	TRMS Datalogging DMM	[5], 60000	CAT IV	18350
MM66-6016F000000000		TRMS Datalogging DMM Fine Tip			
MM66-6012F0BT00000	RISHABH 6012 Bluetooth	TRMS Datalogging DMM	[5], 60000	CAT IV	16560
MM66-6012N0BT00000		TRMS Datalogging DMM Fine Tip			
MM66-6013F0BT00000	RISHABH 6013 Bluetooth	TRMS Datalogging DMM	[5], 60000	CAT II	17610
MM66-6013N0BT00000		TRMS Datalogging DMM Fine Tip			
MM66-6015F0BT00000	RISHABH 6015 Bluetooth	TRMS Datalogging DMM	[5], 60000	CAT IV	19210
MM66-6015N0BT00000		TRMS Datalogging DMM Fine Tip			
MM66-6016F0BT00000	RISHABH 6016 Bluetooth	TRMS Datalogging DMM	[5], 60000	CAT IV	21650
MM66-6016N0BT00000		TRMS Datalogging DMM Fine Tip			

Note: Multimeters are available with either Normal Probe Set (NT) & Fine Tip Probe Set (FT). Use the appropriate Ordering code for probe selection.

Material Code	Model No	Description	Digits/Counts	Category	LP (INR)
Digital Clamp Meters					
CL10-4NZ0000000000	Rish Clamp ES400 AC	400 A AC Digital Clamp meter	[3 3/4], 3999	CAT III	2940
CL10-4FZ0000000000		400 A AC Digital Clamp meter Fine Tip			
CL10-3NZ0000000000	Rish Clamp ES1000 AC	1000 A AC Digital Clamp meter	[3 3/4], 3999	CAT III	3320
CL10-3FZ0000000000		1000 A AC Digital Clamp meter Fine Tip			
CL10-2NB0000000000	RISH Clamp 300A AC	Clamp 300A Backlit	[3 3/4], 3100	CAT IV	5050
CL10-2FB0000000000		Clamp 300A Fine Tip Backlit			
CL10-1NB0000000000	RISH Clamp 1000A AC	Clamp 1000A Backlit	[3 3/4], 3100	CAT IV	5450
CL10-1FB0000000000		Clamp 1000A Fine Tip Backlit			
CL20-3NB0000000000	RISH Clamp 300A AC/DC	Clamp 300A AC/DC Backlit	[3 3/4], 3100	CAT IV	7700
CL20-3FB0000000000		Clamp 300A AC/DC Fine Tip Backlit			
CL20-1NB0000000000	RISH Clamp 1000A AC/DC	Clamp 1000A AC/DC TRMS Backlit	[3 3/4], 3100	CAT IV	10770
CL20-1FB0000000000		Clamp 1000A AC/DC TRMS Fine Tip Backlit			
CL30-3NZ0000000000	Rish Clamp Power 400A AC/DC	400 A AC/DC 3 Phase Power Clamp meter with inrush measurement	[4], 9999	CAT IV	10180
CL30-3FZ0000000000		400 A AC/DC 3 Phase Power Clamp meter with inrush measurement Fine Tip			
CL30-1NZ0000000000	Rish Clamp Power 1000A AC/DC	1000 A AC/DC 3 Phase Power Clamp meter with inrush measurement	[4], 9999	CAT IV	14090
CL30-1FZ0000000000		1000 A AC/DC 3 Phase Power Clamp meter with inrush measurement Fine Tip			
IT91-2010000000000	Agam ALCT 66A	AC Leakage Clamp Meter 0.001mA to 60A	[4], 9999	CAT II	14500
IT91-3010000000000	Agam ALCT 606A	AC Leakage Clamp Meter 0.1mA to 600A	[4], 9999	CAT II	17100
IT91-4010000000000	*Agam ALCT 60A	AC/DC Leakage Clamp Meter 1mA to 60A	[4], 9999	CAT III	19500

New

New

New

*Available from Feb'2020

Optional Accessories for DMM & Clamp Meter			
CL90-1100000000000	RISH Clip on CT	Clip on CT 300A/0.3A AC	2140
CL90-2100000000000		Clip on CT 1000A/1A AC	2720
CL90-3100000000000		Clip on CT 1000A/5A AC	2720
RISH Multi SI 232 Communication Adaptor - Storage Adaptor + RISH COM 100 Software			5440
Temperature Probe - PT 100			3150
Temperature Probe - PT 1000			3150
High Voltage Probe - 3 K V			5860
High Voltage Probe - 30 K V			7960
1.6 Amp Fuse for RISH Multi / RISH Max			120
16 Amp Fuse for RISH Multi / RISH Max			160
RISH Multi / RISH Max Silicon Normal Probe set			380
RISH Multi / RISH Max Silicon Fine Tip Probe Set			380
RISH Multi Carrying Case			360
Rish Clamp meter Carrying case			200
Crocodile Clip Set			240
Test Certificate for RISH Max Series - RISH Max 10			180
Terminal block for RISH Max Series			170
SPAR-SD00-0226 : External power supply adapter for 601X DMM			760
SPAR-SD00-0227 : USB Interface adapter for 601X DMM			1570



Material Code	Model No	Description	Insulation Resistance	Voltage Range	LP (INR)
Insulation Testers					
Analog High-Voltage Insulation Testers					
RISH Insu Series					
IT50-1NS0000000000	RISH Insu 5000A	Insu 5000A STD High-voltage insulation tester for battery operation	10KΩ-1TΩ	5kV	38510
IT50-1BS0000000000		Insu 5000A Bull Dog clip STD			
IT50-2NS0000000000	RISH Insu 5000AK	Insu 5000AK STD High-voltage insulation tester for hand crank generator operation	10KΩ-1TΩ	5kV	42860
IT50-2BS0000000000		Insu 5000AK Bull Dog clip STD High-voltage insulation tester for hand crank generator operation			
IT50-5NS0000000000	RISH Insu 5000 AM	Insu 5000AM STD Mains Operated with Battery	10KΩ-1TΩ	5kV	42860
IT50-6NS0000000000	RISH Insu 5000 AMR	Insu 5000AMR STD Mains Operated with Rechargeble Battery	10KΩ-1TΩ	5kV	44460
IT50-3NS0000000000	RISH Insu 5000AKM	Insu 5000AKM STD Battery, Crank & Mains Operated	10KΩ-1TΩ	5kV	47990
IT50-3BS0000000000		Insu 5000AKM Bull Dog clip STD Battery, Crank & Mains Operated			
IT50-4NS0000000000	RISH Insu 5000AKMR	Insu 5000AKMR STD Crank & Mains Operated with Rechargeble Battery	10KΩ-1TΩ	5kV	51940
IT50-4BS0000000000		Insu 5000AKMR Bull Dog clip STD Crank & Mains Operated with Rechargeble Battery			
IT91-1010000000000	Agam AIT 501	5kV Digital Insulation Tester 1 T Ohm	Upto 1TΩ	5kV	31330
TM05-00000000014MT	Rish Insu 5Dx*	5kV Digital Insulation Tester 10 T Ohm with standard accessories	Upto 10TΩ	5kV	172690
New 5kV Digital Insulation Tester with PI, DAR, SV, Ramp, DD diagnostic modes				5kV	Coming Soon
New 10kV Digital Insulation Tester with PI, DAR, SV, Ramp, DD diagnostic modes				10kV	
* Available till stock last's					
ITHV Series					
IT84-0111000000000	ITHV-2525	ITHV2525 1M STD BOX	0-2500 MΩ (Voltage - 2500V)	2.5kV	6910
IT84-0211000000000	ITHV-2550	ITHV2550 1M STD BOX	0-5000 MΩ (Voltage - 2500V)	2.5kV	6910
IT84-0311000000000	ITHV-25100	ITHV25100 1M STD BOX	0-10000 MΩ (Voltage - 2500V)	2.5kV	7630
IT84-0411000000000	ITHV-25200	ITHV25200 1M STD BOX	0-20000 MΩ (Voltage - 2500V)	2.5kV	8330
IT84-1011000000000	ITHV-25500	ITHV25500 1M STD BOX	0-50000 MΩ (Voltage - 2500V)	2.5kV	9740
IT84-0511000000000	ITHV-5050	ITHV5050 1M STD BOX	0-5000 MΩ (Voltage - 5000V)	5kV	9040
IT84-0611000000000	ITHV-50100	ITHV50100 1M STD BOX	0-10000 MΩ (Voltage - 5000V)	5kV	9040
IT84-0711000000000	ITHV-50200	ITHV50200 1M STD BOX	0-20000 MΩ (Voltage - 5000V)	5kV	9740
IT84-0811000000000	ITHV-50500	ITHV50500 1M STD BOX	0-50000 MΩ (Voltage - 5000V)	5kV	11160
IT84-0911000000000	ITHV-501000	ITHV501000 1M STD BOX	0-100000 MΩ (Voltage - 5000V)	5kV	14120
Upgradation Cost for ITHV Series					
To order ITHV with Dual Insulation Range**					1160
To order ITHV Dual Insulation Range with Dual Voltage**					2590
**Net price = LP of Upgradation + LP of Higher Insulation range model					

New

Material Code	Model No	Description	Insulation Resistance	Voltage Range	LP (INR)
Analog Low-Voltage Insulation Testers					
ITS / ITS-C Series PC Body					
IT80-3110000000000	ITS-5010	ITS 5010 1M CROC CLIP STD BOX	100 MΩ	500 V	1860
IT80-4110000000000	ITS-10020	ITS 10020 1M CROC CLIP STD BOX	200 MΩ	1000 V	1920
IT82-3120000000000	ITC-5010	ITC 5010 1M STD BOX with continuity	100 MΩ (Voltage - 500V)	500 V	1820
IT82-4120000000000	ITC-10020	ITC 10020 1M STD BOX with continuity	200 MΩ (Voltage - 500V)	1000 V	1990
IT / ITI / ITI-V Series Metal Body with guard terminals (IS:2992)					
IT83-0111000000000	ITI-102	ITI 102 1M STD BOX	0-20 MΩ (Voltage - 100V)	100V	4130
IT83-0211000000000	ITI-105	ITI 105 1M STD BOX	0-50 MΩ (Voltage - 100V)	100V	4130
IT83-0311000000000	ITI-252	ITI 252 1M STD BOX	0-20 MΩ (Voltage - 250V)	250V	4130
IT83-0411000000000	ITI-255	ITI 255 1M STD BOX	0-50 MΩ (Voltage - 250V)	250V	4130
IT83-0511000000000	ITI-5010	ITI5010 1M STD BOX	0-100 MΩ (Voltage - 500V)	500 V	4130
IT83-0611000000000	ITI-5020	ITI5020 1M STD BOX	0-200 MΩ (Voltage - 500V)	500 V	4130
IT83-0711000000000	ITI-5050	ITI5050 1M STD BOX	0-500 MΩ (Voltage - 500V)	500 V	4580
IT83-0811000000000	ITI-50100	ITI50100 1M STD BOX	0-1000 MΩ (Voltage - 500V)	500 V	4580
IT83-0911000000000	ITI-50200	ITI50200 1M STD BOX	0-2000 MΩ (Voltage - 500V)	500 V	4580
IT83-1011000000000	ITI-10010	ITI10010 1M STD BOX	0-100 MΩ (Voltage - 1000V)	1000V	4580
IT83-1111000000000	ITI-10020	ITI10020 1M STD BOX	0-200 MΩ (Voltage - 1000V)	1000V	4580
IT83-1211000000000	ITI-10050	ITI10050 1M STD BOX	0-500 MΩ (Voltage - 1000V)	1000V	4870
IT83-1311000000000	ITI-100100	ITI100100 1M STD BOX	0-1000 MΩ (Voltage - 1000V)	1000V	4870
IT83-1411000000000	ITI-100200	ITI100200 1M STD BOX	0-2000 MΩ (Voltage - 1000V)	1000V	4870
IT83-1511000000000	ITI-V-5010	ITIV5010 1M STD BOX	0-100 MΩ (Voltage - 500V)	500 V	4580
IT83-1611000000000	ITI-V-10020	ITIV10020 1M STD BOX	0-200 MΩ (Voltage - 500V)	500 V	4730
Analog Multirange Insulation Testers					
ITMR Series (Hand Driven Generator Type)					
IT85-0111000000000	ITMR-1-122	ITMR-1-122 1M STD BOX	0-20 MΩ (Voltage - 100V) 0.2-200 MΩ (Voltage - 100V)	100V	6200
IT85-0211000000000	ITMR-1-255	ITMR-1-255 1M STD BOX	0-50 MΩ (Voltage - 250V) 0.5-500 MΩ (Voltage - 250V)	250V	6200
IT85-0311000000000	ITMR-1-5110	ITMR-1-5110 1M STD BOX	0-100 MΩ (Voltage - 500V) 0-1000 MΩ (Voltage - 500V)	500 V	6200
IT85-0411000000000	ITMR-1-10220	ITMR-1-10220 1M STD BOX	0-200 MΩ (Voltage - 1000V) 0-2000 MΩ (Voltage - 1000V)	1000V	6200
IT85-0511000000000	ITMR-2-51102	ITMR-2-51102 1M STD BOX	0-1000 MΩ (Voltage - 500V) 0-200 MΩ (Voltage - 100V)	500V, 100V	7090
IT85-0611000000000	ITMR-2-101202	ITMR-2-101202 1M STD BOX	0-2000 MΩ (Voltage - 1000V) 0-200 MΩ (Voltage - 100V)	1000V, 100V	7090
IT85-0711000000000	ITMR-2-1052010	ITMR-2-1052010 1M STD BOX	0-2000 MΩ (Voltage - 1000V) 0-1000 MΩ (Voltage - 500V)	1000V, 500V	7090
IT85-0811000000000	ITMR-3	ITMR-3 1M STD BOX	0-2000 MΩ (Voltage - 1000V) Continuity 0-20kΩ & Discharge 0-1000 MΩ (Voltage - 500V) Continuity 0-20kΩ & Discharge 0-500 MΩ (Voltage - 250V) Continuity 0-20kΩ & Discharge	1000V, 500V, 250V	10330
IT85-0911000000000	ITMR-4	ITMR-4 1M STD BOX	0-200 MΩ (Voltage - 1000V) Continuity 0-500Ω 0-100 MΩ (Voltage - 500V) Continuity 0-500Ω 0-50 MΩ (Voltage - 250V) Continuity 0-500Ω 0-20 MΩ (Voltage - 100V) Continuity 0-500Ω	1000V, 500V, 250V, 100V	9450
Digital Low-Voltage Insulation Testers					
IT10-1N0000000000000	RISH Insu 10	Insu 10	10KΩ-999MΩ	1000V	4500
IT10-1F0000000000000		Insu 10 Fine Tip			
IT20-1NS0000000000000	RISH Insu 20	Insu 20 Battery Operated	10KΩ-2GΩ	1000V	5380
IT20-1FS0000000000000		Insu 20 Fine Tip Battery Operated			
IT20-2NS0000000000000	RISH Insu 20 A	Insu 20 A Mains & Battery Operated	10KΩ-2GΩ	1000V	6170
IT20-2FS0000000000000		Insu 20 A Fine Tip Mains & Battery Operated			

New

Material Code	Model No	Description	Range	LP (INR)
Earth & Continuity Testers - Analog				
ET Series (IS:9223) - Direct Indicating Type (Four Terminals)				
Single Range				
EA01-0110000000000	SET-3	SET 3 STD BOX	0-3 Ω	4180
EA01-0210000000000	SET-10	SET 10 1M STD BOX	0-10 Ω	4180
EA01-0310000000000	SET-50	SET 50 STD BOX	0-50 Ω	4180
EA01-0410000000000	SET-100	SET 100 1M STD BOX	0-100 Ω	4180
EA01-0510000000000	SET-500	SET 500 1M STD BOX	0-500 Ω	4180
Double Range				
EA01-0610000000000	DET-1	DET 1 STD BOX	0-1 Ω / 0-10 Ω	4450
EA01-0710000000000	DET-10	DET 10 1M STD BOX	0-10 Ω / 0-100 Ω	4450
EA01-0810000000000	DET-20	DET 20 STD BOX	0-20 Ω / 0-200 Ω	4450
EA01-0910000000000	DET-50	DET 50 STD BOX	0-50 Ω / 0-500 Ω	4450
EA01-1010000000000	DET-100	DET 100 STD BOX	0-100 Ω / 0-1000 Ω	4450
EA01-1110000000000	DET-500	DET 500 STD BOX	0-500 Ω / 0-5000 Ω	4450
Triple Range				
EA01-1210000000000	TET-1	TET 1 STD BOX	0-1 Ω / 0-10 Ω / 0-100 Ω	4790
EA01-1310000000000	TET-3	TET 3 STD BOX	0-3 Ω / 0-30 Ω / 0-300 Ω	4790
EA01-1410000000000	TET-5	TET 5 STD BOX	0-5 Ω / 0-50 Ω / 0-500 Ω	4790
EA01-1510000000000	TET-10	TET 10 STD BOX	0-10 Ω / 0-100 Ω / 0-1000 Ω	4790
EA01-1610000000000	TET-50	TET 50 STD BOX	0-50 Ω / 0-500 Ω / 0-5000 Ω	4790
Four Range				
EA01-1710000000000	FET-1	FET 1 STD BOX	0-1Ω / 0-10Ω / 0-100Ω / 0-1000Ω	5130
EA01-1810000000000	FET-3	FET 3 STD BOX	0-3Ω / 0-30Ω / 0-300Ω / 0-3000Ω	5130
EA01-1910000000000	FET-10	FET 10 STD BOX	0-10Ω/0-100Ω/0-1000Ω/0-10000Ω	5130
Digital Earth Tester				
EA51-1010000000000	AET 23	Digital Earth Tester	0-20Ω/0-200Ω/0-2000Ω	12640
Rishabh Maintenance Tool Kit				
TM00-1400000000000	RISH Kit 14E	Kit consisting of Tool Bag, RISH insu 10, Rishabh 410, RISH Clamp ES1000 & Accessories		12120
TM00-2600000000000	RISH Kit 26D	Kit consisting of Tool Bag, RISH insu 20, Rishabh 616, RISH Clamp 1000A AC/DC & Accessories		23260
TM00-3600000000000	RISH Kit 36P	Kit consisting of Tool Bag, RISH Mit 30, Rishabh 616, RISH Clamp Power 1000A AC/DC & Accessories		33610
Note : Tool kit can be customised as per the requirement of customer after feasibility check.				
Optional Accessories for Insulation/Earth/Continuity Testers				
SPAR-SD00-0237	Optional Accessories for Rish Insu 5Dx	Test leads 15m		29380
SPAR-SD00-0238		RS232/USB adapter		6350
SPAR-SD00-0239		Carrying bag for accessories		1700
SPAR-SD00-0240		Windows software + software cable		3180
Extra Cable for RISH Insu 5000A/AK/AKM - Price /Per Meter / Per Dipole				
Standard Cable length -1.5m & Maximum possible length is 10m(Including 1.5m)				1550
RISH Insu 10/20 Normal Silicon Probe set				380
RISH Insu 10/20 Fine Tip Silicon Probe Set				380
Crocodile Clip Set				240
Crocodile Clip Set for RISHInsu 5000A/AK/AKM (3 nos)				1230
RISH Insu 10/20 Carrying Case				360
RISH Insu 5000A/AK/AKM Carrying Case				1550
RISH Insu 20 Mains Adaptor				780
Spare Hand Crank For 5000A				4620
Rechargeble Battery set for 5000AKM				4280
FUSE 500mA /500V for RISH Insu 10/20				90
ITS	Probe Assembly black for PC Body			450
ITI/ ITI-V/ITHV/ITMR	Test Leads 1 Mtr Long			530
ITI/ ITI-V/ITHV/ITMR	Test Leads 3 Mtrs Long			750
ITS	Rexine Carrying Case			520
ITI/ ITI-V/ITHV/ITMR/ET	Rexine Carrying Case			560
Kit of Earth Tester Models ET Series	Consisting of - 4 M.S. spikes length 45 cms each approx., 1 Spike Lifting Rod, 3 Rolls of flexible wire wound on Spool (30m app), 5m Loose Wire, 1 Hammer, 1 Rexine Carrying Case (Not as per IS Standard)			2430
Re-calibration Charges with Certificate for ITS/ITS-V/ITI/ITI-V/ITHV/ITMR/ET Models				360
AIT 501 10m leads set				5000

Terms and conditions

- This issue of Price List supersedes all previous Price Lists
- All Prices are in INR
- The prices are subject to change without prior notice
- List Prices mentioned are exclusive of all taxes & duties
- Prices charged will be as prevailing on the date of dispatch
- Minimum order value criterion should be observed while ordering
- The company reserves the right to supply goods at its discretion
- For any non-standard requirement, please contact nearest sales office

Warranty

- All the products listed in the Price List carry a warranty of 18 months against manufacturing defects (unless otherwise specified) from the date of purchase or 12 months from the date of commissioning, whichever is earlier

Note

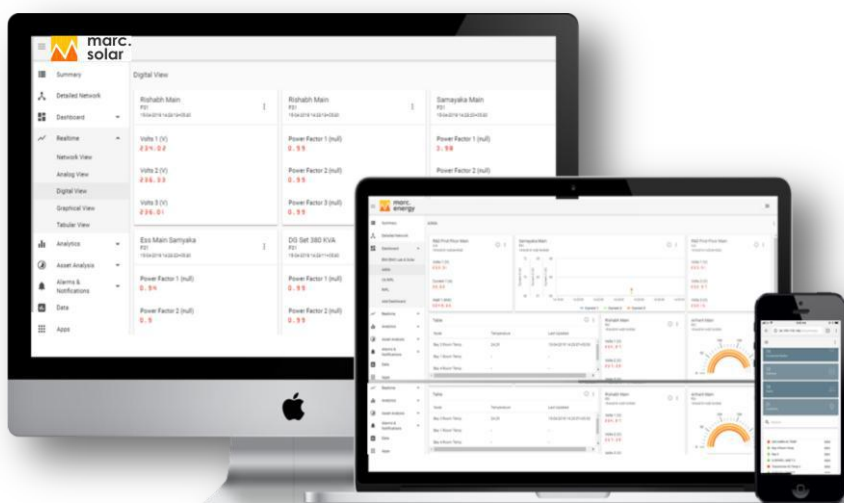
- To facilitate the ordering kindly make use of product configurator
- For Energy Management Solutions (EMS) enquiries, please contact nearest sales office
- Kindly refer respective datasheets for detailed technical specifications. Technical specs given in this price list are in abbreviated form only for easy understanding
- Since the product approbations mentioned in the price list are on generic header level, kindly contact to our nearest sales office for productwise approbations
- Kindly refer separated terms and conditions for Lumel products in the Lumel Expertise price list.



State of the art NABL accredited EMI - EMC Test Laboratory

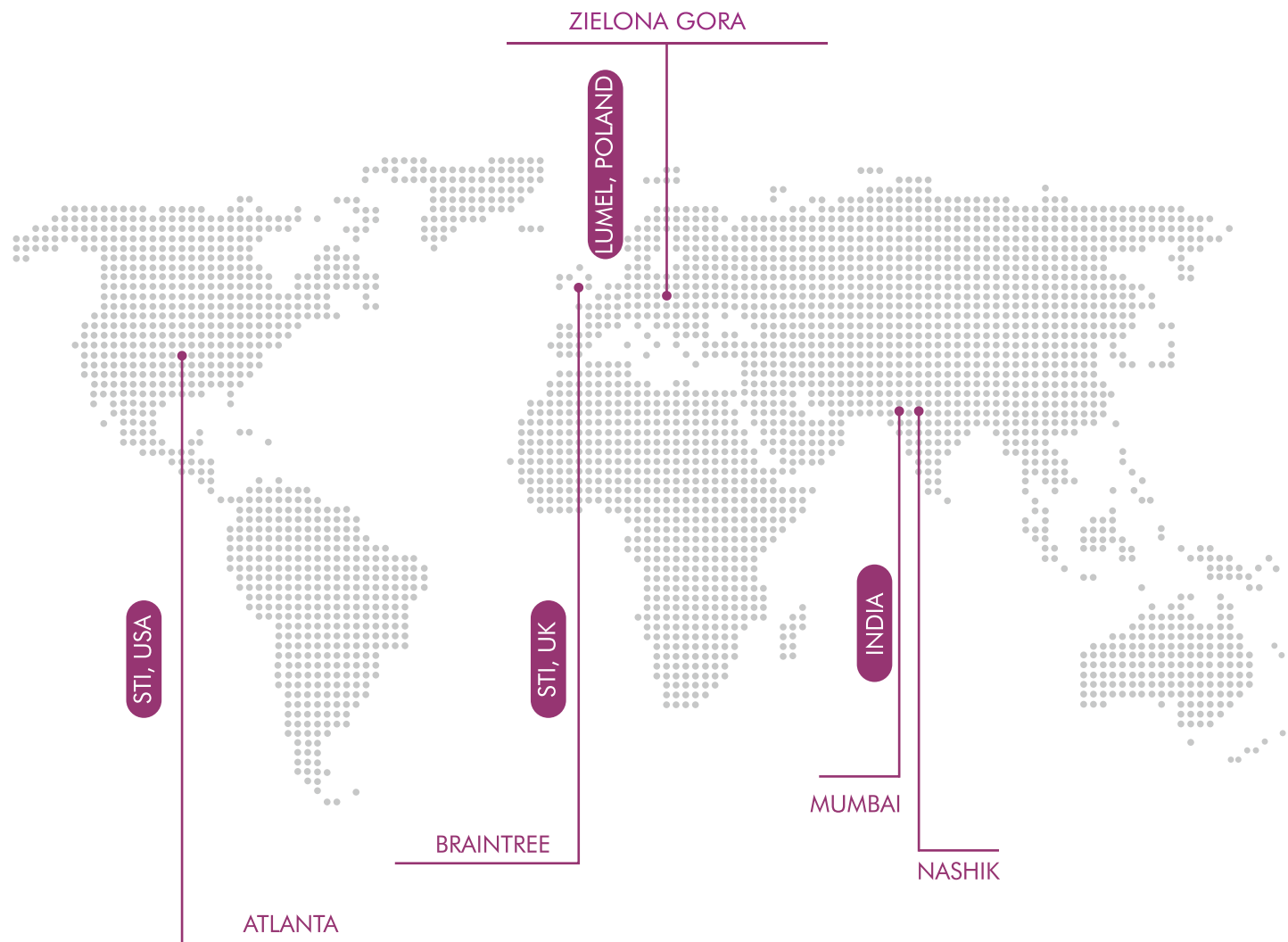


Introducing next generation solar inverters now made in India



GSM based smart remote monitoring solution

Global Network



Product upgradation is a continuous process. Hence, data in this price list is subject to change without prior notice. For the latest information, please get in touch with our sales offices.



Measure



Control



Record



Analyze

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