



**Automatic
Electric Ltd.**

(CIN U99999MH1960PLC011780)

PRICE LIST

Effective from Dated: 01/01/2026



Revise Price List

Electrical Measuring Instrument Division

Automatic Electric Limited

(OEM Since-1942 | An ISO-9001:2015 Certified Company)

HO Office Address

Rectifier House, 570 Naigaum Cross Road Wadala Mumbai - 400 031 (MH) India

Manufacturing Plants:

**Unit 1 (Meter & LT CT and PT Division): 366, Suraiya Road, Near Suraiya Bunglow, Lonavala – 410401 (MH)
India**

Unit 2 (Power Division): Plot No:- 96/98, Lonavala Indl Estate, Nangargaon, Lonavala- 410 401 (MH) India



Automatic Electric Ltd.

PRICE LIST

(CIN U99999MH1960PLC011780)

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1. VOLTMETERS AND AMMETERS 90°								
SHAPE	SQUIRE FLUSH				ROUND FLUSH		ROUND	
	PROJECTING		PEDESTAL					
BEZEL	48 x48	72 x 72	96 x96	144 x 144	83 DIA	135 DIA		113 DIA
PANEL CUT.	45X45 ^{+0.6}	68X68 ^{+0.7}	92X92 ^{+0.8}	138X138 ⁺¹	67 DIA	113DIA.	75 DIA	-
DEPTH IN PANEL	45	50	50	60	50	50	50	-
SCALE LENGTH. (APPROX)	40	60	90	145	60	90	90	90

A) D.C. VOLTMETERS [MOVING COIL.]								
ACC. CL.		2.5	1.5	1.5	1	2	1.5	1
RANGE	RANGE	MODEL						
MIN.	MAX.	SMC - 48	SMC - 72	SMC - 96	SMC - 144	2DFM		
0 - 10mV.	0 - 40mV.	0	725	780	1350	715		--
0 - 50mV.	0 - 30V.	1100	725	850	1350	715		--
0 - 40V.	0 - 300V.	1100	835	910	1370	735		--
0 - 400V.	0 - 600V.	1170	910	965	1445	910		--
0 - 750V.	0 - 1000V.	1830**	1360**	1435*	1895	0	--	--

B) D.C. AMMETERS [MOVING COIL.]								
ACC. CL.		2.5	1.5	1.5	1	2	1.5	1
RANGE	RANGE	MODEL						
MIN.	MAX.	SMC - 48	SMC - 72	SMC - 96	SMC - 144	2DFM		--
0 - 250rA.	0 - 400rA.	0	850	910	1445	910		--
0 - 500rA.	0 - 800rA.	1100	850	910	1445	910		--
0 - 1mA.	0 - 8A.	1100	725	775	1235	725		--
0 - 10A.#	0 - 30A. .#	1100	725	775	1235	725		--
0 - 40A. .# .#	0 - 12kA. .# .#	1065	725	775	1235	725		--

C) A.C. VOLTMETERS. [MOVING COIL- RECTIFIER TYPE.]									
ACC. CL.				1.5	1.5	--	1.5	1.5	1.5
RANGE	RANGE	MODEL							
MIN.	MAX.			SMR - 96	SMR - 144	2DFRM		--	
0 - 6V.	0 - 30V.			1428	1740	--		--	
0 - 40V.	0 - 300V.			1530	2020	--		--	
0 - 400V.	0 - 600V.			1530	2020	--		--	
0 - 750V.	0 - 1000V.			1980	2475	--	--	--	

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D) A.C. AMMETERS. [MOVING COIL - RECTIFIER TYPE.]									
ACC. CL.		--		1.5	1.5	--	1.5	1.5	1.5
RANGE	RANGE	MODEL							
MIN.	MAX.			SMR - 96	SMR - 144				
0 - 10mA.	0 - 50mA.			1230	1740				--
0 - 75mA.	0 - 750mA.			1435	1940				--
0-1A	0-8A			1520	2140				--
0 - 10A.	0 - 30A.			1520	2140				--

E) A.C. VOLTMETERS. [MOVING IRON.]									
ACC. CL.			1.5	1.5	1	2	1	1	1
RANGE	RANGE	MODEL							
MIN.	MAX.	SMI - 48	SMI - 72	SMI - 96	SMI - 144	2DFI	PV4		
0 - 15 V.	0 - 120V.	-	460	530	780	445	760		
0 - 150V.	0 - 300V.	860.00	460	530	780	445	760		
0 - 400V.	0 - 600V.	-	530	560	830	460	860		
0 - 750V.	0 - 1000V.	-	960*	960*	1255*	0.00	1230	-	--

*With Built-in Resistance ** With External Resistance Box # With Internal Shunt ##With External Shunt (Shunt Price Extra)

F) A.C. AMMETERS. [MOVING IRON.]									
ACC. CL.		2.5	1.5	1.5	1	2	1	1	1
RANGE	RANGE	MODEL							
MIN.	MAX.	SMI - 48	SMI - 72	SMI - 96	SMI - 144	2DFI	PV4		
0 - 500mA.	0 - 8A.	865	440	480	685	385	680		
0 - 10A.	0 - 30A.	865	440	480	685	385	680		
0 - 40A.	0 - 100A.	-	530	560	790	460	750		
0 - 120A.	0 - 200A.	-	-	675	930	-	910		

SPECIAL A.C. VOLTMETERS [MOVING IRON. ACC. CL 1.5%]

A. C. VOLTMETERS WITH SELECTER SWITCH					A. C. DOUBLE SCALE VOLTMETERS.				
RANGE			VSS-72A.	VSS-96A.	RANGE[m]	RANGE[M]	SIF - 96.	SIF - 144.	
0 - 120V.	L1 - L2, L2 - L3, L3 - L1.		1050	1245	0 - 120V.	0 - 400V.	1410	1850	
0 - 500V.	L1 - N, L2 - N, L3 - N.		1050	1245	0 - 500V.	0 - 600V.	1450	1900	

BIMETALIC A. C. DEMAND METERS [ACC. CL3%] & MOVING IRON A.C. AMMETERS [ACC. CL1.5%]

CT SEC. [I]	OVER LOAD	TIME - LAG	MDIS- 96 A.		MDID - 96 A.	
0 - 1A.	0%	8MIN.	1310	2-POINTERS TO READ MAXIMUM DEMAND ON BIMETALIC AMMETER	1620	3-POINTERS MAXIMUM DEMAND ON BIMETALIC + INSTANTANEOUS READING ONMOVING IRON
	20%					
	0%	15 MIN				
	20%					
0 - 5A.	0%	8MIN.	1260	MDIS-72A	1540	MDID-72A
	20%					
	0%	15 MIN				
	20%					

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OPTIONAL FEATURES FOR 90□ METERS		
	DESCRIPTION	PRICE
BEZEL	OTHER THAN BLACK FOR SQ.INST.	30
GLASS	SPARE GLASS	50
	ANTI GLARE GLASS	75
CASE	HIGHER KV CLASS (WITH 4 kV)	60
SCALE	SINGLE SCALE TRIPLE STAMPING	30
	DOUBLE SCALE DOUBLE STAMPING	30
	COLOURED ARC	75
	COLOURED BAND	30
	NON STANDARD SCALE CALIBRATION	30
ACCURACY	BETTER ACC.CLASS OF 1.0% FOR SMR-144 OR 96X96 MM, 4 DFM 4DPM METERS	25
FREQUENCY	ABOVE 60Hz TO 400Hz. FOR MI AC & MC RECTIFIER TYPE METER	75
	ABOVE 400Hz TO 1000Hz. FOR MI AC & MC RECTIFIER TYPE METER	100
DIAL	SPARE DIAL	40
	CENTRE ZERO SCALE (MC DC METER)	50
TERMINAL	SHROUD	10
	REAR CAP	50
RUBBER GASKET	THIN RUBBER GASKET FOR SQ.INS.	30
	THICK RUBBER GASKET+M.S CLAMPS 72X72,96X96,144X144	100
CLAMPS	MOSAIC GRID MOUNTING FOR SQ.INST.	100
SUPPRESSION	INITIAL SUPPRESSED (SMI-96 & 144)	50
	END SUPPRESSED UPTO 6 TIMES FOR MI AC AMMETERSEXCEPT SMI-48	20
	END SUPPRESSED FOR MI AC AMMETERS 8 TIMES EXCEPT SMI-48,	50
	END SUPPRESSED UPTO 6 TIMES FOR SMI 48 AMMETERS	50
POINTER	KNIFE EDGE POINTER FOR 961444"	35
	MI ACMC DC AMMETER MIRROR SCALE FOR 96144 MM METER	110
	10KW SENSITIVITY FOR SMC-144 VOLTMETER	100
PROTECTION	IP-54 PROTECTION	100

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2. VOLTMETER AND AMMETER 240°					
SHAPE	SQURE FLUSH				
BAZEL (mm)	48 X 48	72 x 72	96 x96	144 x 144	110 X 110
PANEL CUT. (mm)	45X45 ^{+0.6}	68X68 ^{+0.7}	92X92 ^{+0.8}	138X138 ⁺¹	100f*
DEPTH IN PANEL (mm)	45	50	50	60	100
SCALE LENGTH. (mm)	70 - 75	105 -110	150 - 155	225 - 230	175 - 180
ACC. CL.	2.50%	1.50%	1.50%	1.50%	1.50%
D.C. VOLTMETER [MOVING COIL]					
RANGE MIN.	RANGE MAX.	MODEL			
		SQ72	SQ96	SQ144	SQ110
0-60mV	0-150mV	1230	1270	1530	1850
0-300mV	0 - 750mV	1230	1270	1530	1850
0 - 1V	0 - 600V	1230	1270	1530	1850
0-750V	0 - 1000V	1520*	1595*	1805*	1850*
D.C. AMMETER [MOVING COIL]					
RANGE MIN.	RANGE MAX.	MODEL			
		SQ72	SQ96	SQ144	SQ110
0-500mA	0 - 750mA	1230	1270	1530	1850
0 - 1A.	0 - 8A	1230	1270	1530	1850
0 - 10A #	0 - 30A #	1230	1270	1530	1850
0 - 40A # #	0 -1000A # #	1230	1270	1530	1850
A.C. VOLTMETER [RECTIFIER TYPE]					
RANGE MIN.	RANGE MAX.	MODEL			
		SQ72	SQ96	SQ144	SQ110
0 - 10V.	0 - 30V.	1255	1395	1590	1850
0 - 40V.	0 - 300V.	1255	1395	1590	1850
0 - 400V.	0 - 600V.	1255	1395	1590	1850
0 - 750V.	0 - 1000V.	1630*	1700*	1895*	1850*

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A.C. AMMETER [RECTIFIER TYPE]					
RANGE MIN.	RANGE MAX.	MODEL			
		SQ72	SQ96	SQ144	SQ110
0 - 10mA.	0 - 50mA.	1380	1395	1590	1850
0 - 75mA.	0 - 750mA.	1380	1395	1590	1850
0 - 1A.	0 - 8A.	1380	1395	1590	1850
0 - 10A.	0 - 30A.	1380	1395	1590	1850

* With Built-in Resistance ** With External Resistance Box. # With Internal Shunt ## With External Shunt (Shunt Price Extra)STANDARD RANGES :- 1 , 1.2 , 1.5 , 2 , 2.5 , 3 , 4 , 5 , 6 , 7.5 , 8 . IT's MULTIPLE :- 10 , 12 , 15 , 20 , 25 , 30 , 40 , 50 , 60 , 75 , 80 . AND 100 , 120 , 150 , 200 , 250 , 300 , 400 , 500 , 600 , 750 , 800 . ~ 8000 = 8k FOR EXAMPLE :- 2A , 20A , 200A , 2kA. / 120V , 12kV. etc.

		DESCRIPTION	PRICE	
OPTIONAL FEATURES FOR MOVING COIL 240 □ INSTRUMENTS	BEZEL	OTHER THAN BLACK FOR SQ.INST.	25	
	GLASS	SPARE GLASS	75	
		ANTI GLARE GLASS	100	
	CASE	HIGHER KV CLASS	100	
	SCALE		SINGLE SCALE TRIPLE STAMPING	75
			DOUBLE SCALE DOUBLE STAMPING	50
			COLOURED ARC	50
			COLOURED BAND	100
			NON STANDARD SCALE CALIBRATION	50
	CALIBRATION		1.0% ACCURACY CLASS IN 96 X 96 , 110 x 110 , 144 x 144 mm	50
			CENTRE ZERO SCALE (DC METERS)	50
			AT FREQUENCY (150 Hz ~ 400 Hz)	100
	FREQUENCY		ABOVE 60Hz TO 400Hz. FOR MI AC & MC RECTANGULAR AC METER	100
	SUPPRESSION		INITIAL SUPPRESSION EXCEPT 48 X 48	100
			END SUPPRESSED 6 TIMES (FOR AC) AND END SUPPRESSED 2TIMES (FOR DC)	50
	DIAL		SPARE DIAL FOR 72 X 72 , 96 X 96 BASE COLOUR - BLACK	50
	RANGE		LOWER THAN NORMAL 72 X 72,96 X 96,144 X 144	55
			HIGHER THAN NORMAL 72 X 72,96 X 96,144 X 144	110
	TERMINAL		ADDITIONAL FOR 72 X 72,96 X 96,144 X 144 . VOLTMETER	165
			SHROUD	10
		REAR CAP	50	
RUBBER GASKET		THIN RUBBER GASKET FOR SQ.INST.	30	
		THICK RUBBER GASKET ROUND FLUSH INST.	50	
		THICK RUBBER GASKET+M.S CLAMPS 72X72,96X96,144X144	100	
CLAMPS		MOSAIC GRID MOUNTING FOR SQUARE INST.	50	
PROTECTION		IP 54	100	

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3. POWER METER												
BAZEL	PANEL CUT				ACCURACY CLASS.				SCALE LENGTH			
96 X 96	92 X 92 ^{+0.3}				1.5 % WATT, VAR. VA. & 2° for POWER FACTOR.				80 mm aprox.			
144 X 144	138 X 138 ^{+1.0}				1.5 % WATT, VAR. VA. & 2° for POWER FACTOR.				140 mm aprox.			
MODEL	WATT METER				VAR METER				PF METER			
PANEL DEPTH (mm)	1P	3P-1E	3P-2E	3P-3E*	1P	3P-1E	3P-2E	3P-3E *	1P	3P-1E	3P-2E	3P-3E
S 96	84	84	105	105	--	--	105	--	85	85	135	105
S 144	90	90	135	175	--	--	135	175	135	135	175	135
SINGLE PHASE POWER METER [DYNAMOMETER TYPE]												
MODEL	POTENTIAL COIL			CURRENT COIL			WATT	VAR	P. F.			
96	110V / 230V / 440V OR			0.5A / 1A. / 2A. OR			1945	1945	2640			
S 144	150V / 300V / 600V.			2.5A. / 5A. / 10A.			2640	2640	2920			
THREE PHASE POWER METER [DYNAMOMETER TYPE.]												
MODEL	POTENTIAL	CURRENT	WATTMETERS.			VARMETERS.						
			3Ph. - 1EI.	3Ph. - 2EI.	3Ph. - 2 1/2 EI/ 3Ph-4W	3Ph. - 1EI.		3Ph. - 2EI.		3Ph. - 2 1/2 EI/ 3Ph-4W		
S 96	110 V 440 V	1 A. / 5 A.	3035	4035	4900			4410		5345		
S 144	110 V 440 V		3275	4550	5510			4855		5830		
MODEL	POTENTIAL	CURRENT	VA METER			PF METER						
			3Ph. - 1EI.	3Ph. - 2EI.	3Ph. - 3EI.	1Ph. - 1EI.	3Ph. - 1EI.		3Ph. - 2EI.		3Ph. - 3EI.	
S 96	110 V. / 440 V.	1 A. / 5 A.	AVAILABLE IN MOVING COIL			2640	3180		4740		5590	
S 144	110 V. / 440 V.	1 A. / 5 A.	BUILT IN TRANSDUCER TYPE.			2910	3510		5990		6140	
Standard scale range :-												
Upper limit of the measuring range for meters shall be one of the following values.												
1 , 1.2 , 1.5 , 2 , 2.5 , 3 , 4 , 5 , 6 , 7.5 , 8. OR IT'S MULTIPLE												
10 , 12 , 15 , 20 , 25 , 30 , 40 , 50 , 60 , 75 , 80 , ~ 800 . TO 8000.												
1. Formula for Single-phase active power												
P(max.) = VICOSj Where COSj = 1.												
To calculate power range for a system with V = 500, I = 2.5 A												
CALCULATED POWER = 500 x 2.5 x 1 = 1.25kW												
1.25 lies within the range of 1.2 and 1.5 which are in above scale pattern												
Hence 1.2kW or 1.5kW to be selected as the power range												
2. Formula for Three-phase active power												
P(max.) = Ö3 VICOSj X PTR. X CTR. Where COSj = 1.												
To calculate power range for a system with V = 110V, I = 5 A , PTR = 400kV / 110V,CTR=1000 / 5A												
CALCULATED POWER = Ö3 X 110 X 5 X 1 X (400 X 1000 / 110) X (1000 / 5) = 692MW												
692 lies within the range of 600 and 750 which are in above scale pattern												
Hence 0-600MW or 750MW to be selected as the power range												
All active power measuring instruments are calibrated at COSj = 1												
and reactive power measuring instruments are calibrated at SIN j =1												
All low power factor power measuring instruments are calibrated at COSj = 0.2 lag.												
Watt and Var Meters in 96 x 96 mm for 3 Ph 4 Wire will be 2 Element.												

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4. POWER METER [Transducer Operated]							
POWER FACTOR METERS 90° MOVING COIL IN BUILT TRANSDUCER [ACC. CL.2°]							
CURRENT	VLOTAGE	MODEL		72 X 72	96 X 96	144 X 144	
1A. / 5A.	110V. / 440V.	3Ph. - 1El.		1530	2280	2730	
POWER FACTOR METERS 240° MOVING COIL IN BUILT TRANSDUCER [ACC. CL.2°]							
CURRENT	VLOTAGE	MODEL		72 X 72**	96 X 96	144 X 144	110 X 110
1A. / 5A.	110V. / 440V.	1 - Phase.		4350	4480	4640	4605
1A. / 5A.	110V. / 440V.	3Ph. - 1El.		4350	4480	4640	4605
ACTIVE POWER = WATTMETERS 240° MOVING COIL IN BUILT TRANSDUCER. [ACC. CL 1.5%]							
CURRENT	VLOTAGE	MODEL			96 X 96	144 X 144	110 X 110
1A. / 5A.	110V. / 440V.	1 - Phase.			2940	2930	
		3Ph. - 1El.					
		3Ph. - 2El.			4350	4480	4420
		3Ph. - 3El.			4350	4480	4420
REACTIVE POWER = VAR METERS 240° MOVING COIL IN BUILT TRANSDUCER. [ACC. CL 1.5%]							
CURRENT	VLOTAGE	MODEL	48 X 48	72 X 72	96 X 96	144 X 144	110 X 110
1A. / 5A.	110V. / 440V.	1 - Phase.			2940	3075	
		3Ph. - 1El.					
		3Ph. - 2El.			4350	4480	4420
		3Ph. - 3El.			4350	4480	4420
APPARENT POWER = VA-METERS 240° MOVING COIL IN BUILT TRANSDUCER. [ACC. CL 1.5%]							
CURRENT	VLOTAGE	MODEL	48 X 48	72 X 72	96 X 96	144 X 144	
1A. / 5A.	110V. / 440V.	1 - Phase.			3080	3280	
		3Ph. - 1El.					
		3Ph. - 2El.			4480	4890	
		3Ph. - 3El.			4480	4890	
ACTIVE POWER = WATTMETERS 240° MOVING COIL EXTERNAL TRANSDUCER. [ACC. CL 1.5%]							
CURRENT	VLOTAGE	MODEL		72 X 72**	96 X 96	144 X 144	110 X 110
1A. / 5A.	110V. / 440V.	1 - Phase.		3130	3210	3380	3290
		3Ph. - 1El.					
		3Ph. - 2El.		4440	4515	4700	4600
		3Ph. - 3El.		4440	4515	4700	4600
** To be used with External box							
REACTIVE POWER = VAR METERS 240° MOVING COIL EXTERNAL TRANSDUCER. [ACC. CL 1.5%]							
CURRENT	VLOTAGE	MODEL	48 X 48	72 X 72**	96 X 96	144 X 144	110 X 110
1A. / 5A.	110V. / 440V.	1 - Phase.		3130	3210	3380	3290
		3Ph. - 1El.					
		3Ph. - 2El.		4440	4515	4700	4600
		3Ph. - 3El.		4440	4515	4700	4600
APPARENT POWER = VA-METERS 240° MOVING COIL EXTERNAL TRANSDUCER. [ACC. CL 1.5%]							
CURRENT	VLOTAGE	MODEL	48 X 48	72 X 72	96 X 96	144 X 144	110 X 110
1A. / 5A.	110V. / 440V.	1 - Phase.					
		3Ph. - 1El.					
		3Ph. - 2El.		4850	4925	5110	5000
		3Ph. - 3El.		4850	4925	5110	5000
** To be used with External box							

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OPTIONAL FEATURES FOR POWER METERS		
	DESCRIPTION	PRICE
BEZEL	OTHER THAN BLACK FOR SQ. INST.	20
GLASS	SPARE GLASS	75
	ANTI GLARE GLASS	100
CASE	HIGHER KV CLASS (WITH 4 kV)	100
SCALE	SINGLE SCALE TRIPLE STAMPING	75
	DOUBLE SCALE DOUBLE STAMPING	50
	COLOURED ARC	50
	COLOURED BAND	50
CALIBRATION	1.0% ACC. CLASS. EXCEPT (72 X 72 mm)	100
	AT FREQUENCY (150 Hz ~ 400 Hz)	100
DIAL	SPARE DIAL FOR 72 X 72, 96 X 96	200
CALIBRATION	CENTRE ZERO SCALE (FOR WATT & VAR)	50
RANGE	LOWER THAN NORMAL 72 X 72, 96 X 96, 144 X 144	55
	HIGHER THAN NORMAL 72 X 72, 96 X 96, 144 X 144	110
TERMINAL	SHROUD	10
	REAR CAP	50
RUBBER GASKET	THIN RUBBER GASKET FOR SQ. INST.	30
	THICK RUBBER GASKET ROUND FLUSH INST.	50
CLAMPS	MOSAIC GRID MOUNTING FOR SQUARE INST.	55

Automatic Electric Limited

(OEM Since-1942 | An ISO-9001:2015 Certified Company)

HO Office Address

Rectifier House, 570 Naigaum Cross Road Wadala Mumbai - 400 031 (MH) India

Manufacturing Plants:

Unit 1 (Meter & LT CT and PT Division): 366, Suraiya Road, Near Suraiya Bunglow, Lonavala – 410401 (MH) India

Unit 2 (Power Division): Plot No:- 96/98, Lonavala Indl Estate, Nangargaon, Lonavala- 410 401 (MH) India



Automatic Electric Ltd.

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(CIN U99999MH1960PLC011780)

Effective from Dated: 01/01/2026

5. FREQUENCY METER														
FREQUENCY METERS [VIBATING REED TYPE.]														
RANGE	MODEL	ROW	RESOLUTION	INPUT	RFS-72	RFS-96	RFS-144	INPUT	RFS-72	RFS-96	RFS-144			
47 ~ 53Hz.	13 REEDS	SINGLE	0.5Hz.	110V/230V /440V	900	1050	1295	63.5V	1595	1630	1980			
45 ~ 65Hz.	13 REEDS		1 Hz.		900	1050	1355		1595	1630	1980			
45 ~ 55Hz.	21 REEDS		0.5Hz.		-	-	2395		-	-	3085			
RANGE	MODEL	ROW	RESOLUTION	INPUT		RFD-96	RFD-144	INPUT		RFD-96	RFD-144			
47 ~ 63Hz.	13 REEDS	DOUBLE	0.5Hz.	110V/230V /440V		2090	2955	63.5V		2780	3650			
45 ~ 65Hz.	13 REEDS		1 Hz.			2090	2955			2780	3650			
45 ~ 55Hz.	21 REEDS		0.5Hz.			-	4965			-	5660			
FREQUENCY METERS [BLINKING LED TYPE.]														
RANGE	INPUT	ROW	RESOLUTION	MODEL	ELFS-72	ELFS-96	ELFS-144							
47 ~ 53Hz.	110V / 230V / 440V.	SINGLE	0.5	13 LEDS	680	800	975							
45 ~ 55Hz.			1	13 LEDS	680	800	1125							
57 ~ 63Hz.			0.5	13 LEDS	680	800	975							
55 ~ 65Hz.			1	13 LEDS	680	800	975							
370 ~ 430Hz.			1	13 LEDS	720	835	1015							
47 ~ 53Hz.			0.2	21 LEDS	-	-	1530							
45 ~ 55Hz.			0.5	21 LEDS	-	-	1530							
58 ~ 62Hz.			0.2	21 LEDS	-	-	1530							
55 ~ 65Hz.			0.5	21 LEDS	-	-	1530							
380 ~ 420Hz.			1	21 LEDS	-	-	1555							
RANGE			INPUT	ROW	RESOLUTION	MODEL	ELFD-72	ELFD-96	ELFD-144					
47 ~ 53Hz.			110V / 230V / 440V.	DOUBLE	0.5	13LEDS	-	1590	2030					
45 ~ 55Hz.	1	13LEDS			-	1590	2030							
57 ~ 63Hz.	0.5	13LEDS			-	1590	2030							
55 ~ 65Hz.	0.5	13LEDS			-	1590	2030							
370 ~ 430Hz.	1	13 LEDS			-	1620	2065							
47 ~ 53Hz.	0.2	21 LEDS			-	-	2415							
45 ~ 55Hz.	0.5	21 LEDS			-	-	2415							
58 ~ 62Hz.	0.2	21 LEDS			-	-	2415							
55 ~ 65Hz.	0.5	21 LEDS			-	-	2415							
380 ~ 420Hz.	2	21 LEDS			-	-	2450							
FREQUENCY METERS [90°MOVING COIL BUILT IN TRANSDUCER TYPE.]														
RANGE	INPUT	48 X48			72 x 72	96 x 96	144 x 144	PORTABLE						
45 ~ 55Hz.	110V / 230V / 440V.		1210	1600	1770	2400								
55 ~ 65Hz.			1210	1600	1770	2400								
45 ~ 65Hz.			1210	1600	1770	2400								
45 ~ 65Hz.	110 V/ 440 V		1210	1600	-	-								
FREQUENCY METERS [240°MOVING COIL BUILT IN TRANSDUCER TYPE.]														
RANGE	INPUT	48 X48	72 x 72*	96 x 96	144 x 144	110 x 110								
45 ~ 55Hz.	110V / 230V / 440V.		1850	1645	1815	2020								
55 ~ 65Hz.	110V / 230V / 440V.		1850	1645	1815	2020								
45 ~ 65Hz.	110V / 230V / 440V.		1850	1645	1815	2020								
45 ~ 65Hz.	DUAL		-	-	-	-								
* With Ext. Transducer														

Automatic Electric Limited

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Manufacturing Plants:

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6. PORTABLE INSTRUMENTS

A. MINIATURE MOVING COIL PORTABLE

a) DC VOLTMETER

MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT SSSP-1	DC	MILIVOLT	ANY STANDARD SINGLE RANGE (0-50 TO 0-1000mV)	1.0	830
			ANY STANDARD DUAL RANGE (0-50/100 TO 0-500/1000mV)		935
			ANY STANDARD TRIPLE RANGE (0-50/100/200 TO 0-250/500/1000mV)		955
		VOLT	ANY STANDARD SINGLE RANGE (0-0.5 TO 0-1000V)	1.0	830
			ANY STANDARD DUAL RANGE (0-0.5/1 TO 0-500/1000V) (1:2 Ratio)		935
			ANY STANDARD TRIPLE RANGE (0-1.5/3/7.5 TO 0-250/500/1000V) (1:2:4 Ratio)		955

b) DC AMMETER

MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT SSSP-1	DC	MILIAMP	ANY STANDARD SINGLE RANGE (0-0.5 TO 0-1000mA)	1.0	830
			ANY STANDARD DUAL RANGE (0-0.5/1 TO 0-500/1000mA) (1:2 Ratio)		895
		AMP	ANY STANDARD SINGLE RANGE (0-1 TO 0-30A)	1.0	830
			ANY STANDARD DUAL RANGE (0-0.5/1 TO 0-15/30A) (1:2 Ratio)		895

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B) MINIATURE MOVING IRON PORTABLE					
a) AC VOLTMETER					
MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT SSSP-3	1PH	VOLT	ANY STANDARD SINGLE RANGE (0-75 TO 0-600V)	1.5	705
			ANY STANDARD DUAL RANGE (0-75/150 TO 0-300/6000V)		895
			ANY STANDARD TRIPLE RANGE (0-75/150/300 TO 0-150/300/600V)		955
b) AC AMMETER					
MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT SSSP-3	1PH	AMP	ANY STANDARD SINGLE RANGE (0-0.5 TO 0-15A)	1.5	635
			ANY STANDARD DUAL RANGE (0-0.5 TO 0-15A)		765
C) MOVING COIL PORTABLE					
a) DC VOLTMETER (Sensitivity 1000 ohms / V)					
MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT MSSB-1	DC	MILIVOLT	ANY STANDARD SINGLE RANGE (0-20 TO 0-1000mV)	1.0	1970
			ANY STANDARD DUAL RANGE (0-25/50 TO 0-500/1000mV)		2035
			ANY STANDARD TRIPLE RANGE (0-25/50/100 TO 0-250/500/1000mV)		2100
			ANY STANDARD MULTI RANGE (0-25/50/100/200 TO 0-125/250/500/1000mV)		2165
PORT MSSB-1	DC	VOLT	ANY STANDARD SINGLE RANGE (0-0.5 TO 0-1000V)	1.0	1970
			ANY STANDARD DUAL RANGE (0-0.5/1 TO 0-500/1000V)		2035
			ANY STANDARD TRIPLE RANGE (0-1.5/3/7.5 TO 0-250/500/1000V)		2095
			ANY STANDARD MULTI RANGE (0-1.5/3/7.5/15 TO 0-125/250/500/1000V)		2165

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b) DC AMMETER

MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT MSSB-1	DC	MICROAMP	ANY STANDARD SINGLE RANGE (0-100 TO 0-750µA)	1.0	2225
		MILIAMP	ANY STANDARD DUAL RANGE (0-1 TO 0-500mA))		2165
		AMPERE	ANY STANDARD SINGLE RANGE (0-1 TO 0-10A)		2225
			ANY STANDARD SINGLE RANGE (0-15 TO 0-50A)		2290
			ANY STANDARD SINGLE RANGE WITH EXT SHUNT OF 75mV (SHUNT PRICE EXTRA)		1965
		MILIAMP	ANY STANDARD DUAL RANGE (0-0.5/1 TO 0-250/500mA)		2225
		AMPERE	ANY STANDARD DUAL RANGE (0-0.5/1 TO 0-5/10A)		2290
			ANY STANDARD DUAL RANGE (0-10/20 TO 0-25/50A)		2350

c) RECTIFIER TYPE AC VOLTMETER (Sensitivity 1000 ohms / V)

MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT MSSB-2	1PH	VOLT	ANY STANDARD SINGLE RANGE (0-7.5 TO 0-1000V)	1.5	2035
			ANY STANDARD DUAL RANGE (0-7.5/15 TO 0-500/1000V)		2100
			ANY STANDARD TRIPLE RANGE (0-7.5/15/30 TO 0-250/500/1000V)		2165
			ANY STANDARD MULTI RANGE (0-7.5/15/30/60 TO 0-125/250/500/1000V)		2225

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d) RECTIFIER TYPE AC AMMETER					
MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT MSSB-2	1PH	MILIAMP	ANY STANDARD SINGLE RANGE (0-10 TO 0-50mA)	1.5	2035
			ANY STANDARD SINGLE RANGE (0-75 TO 0-750mA)		2165
		AMPERE	ANY STANDARD SINGLE RANGE (0-1 TO 0-30A)		2225
e) RECTIFIER TYPE AC FREQUENCY METER					
MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT MSSB-3	1PH	FREQUENCY	ANY STANDARD SINGLE RANGE (40-60 TO 360-440Hz) 110/220/440V	1.0	2640
D) MOVING IRON PORTABLE					
a) AC VOLTMETER					
MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT MSSB-3	1PH	VOLT	ANY STANDARD SINGLE RANGE (0-15 TO 0-1000V)	1.0	1705
			ANY STANDARD DUAL RANGE (0-15/30 TO 0-500/1000V)		1795
		VOLT	ANY STANDARD TRIPLE RANGE (0-15/30/60 TO 0-250/500/1000V)		1935
b) AC AMMETER					
MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT MSSB-3	1PH	AMPERE	ANY STANDARD SINGLE RANGE (0-0.2 TO 0-30A)	1.0	1590
			ANY STANDARD SINGLE RANGE (0-50 TO 0-100A)		1905
			ANY STANDARD DUAL RANGE (0-0.2/1 TO 0-15/30A)		1715
			ANY STANDARD DUAL RANGE (0-25/50 TO 0-50/100A)		2040
			ANY STANDARD TRIPLE RANGE (0-1/3/10 TO 0-3/10/30A)		2605
			ANY STANDARD MULTI RANGE (0-1/3/10/30 TO 0-5/10/25/50/100A)		2855

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E) MOVING IRON TYPE-PRECISION GRADE INSTRUMENTS

a) AC VOLTMETER

MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT LSPW-2 / SIZE: 300x 196x133 mm	1PH	VOLT	ANY STANDARD SINGLE RANGE (0-62.5V TO 0-1000V)	0.5	3810
			ANY STANDARD DUAL RANGE (0-62.5/125V TO 0-500/1000V)		3975
			ANY STANDARD DUAL RANGE (0-62.5/125/250V TO 0-250/500/1000V)		4115

b) AC AMMETER

MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT LSPW-2 / SIZE: 300x 196x133 mm	1PH	AMMETER	ANY STANDARD SINGLE RANGE (0-0.2A TO 0-30A)	0.5	3685
			ANY STANDARD DUAL RANGE (0-0.2/1A TO 0-15/30A)		3810

F) MOVING COIL TYPE-PRECISION GRADE INSTRUMENTS

a) DC VOLTMETER

MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT LSPW-1 / SIZE: 300x 196x133 mm	DC	MILIVOLT	ANY STANDARD SINGLE RANGE (0-50mV TO 0-1000mV)	0.5	4090
			ANY STANDARD DUAL RANGE (0-50/100mV TO 0-500/1000mV)		4215
			ANY STANDARD TRIPLE RANGE (0-50/100/200mV TO 0-250/500/1000mV)		4350
		VOLT	ANY STANDARD SINGLE RANGE (0-0.5V TO 0-1000V)		4095
			ANY STANDARD DUAL RANGE (0-0.5/1V TO 0-500/1000V)		4215
			ANY STANDARD TRIPLE RANGE (0-1.5/3/7.5V TO 0-250/500/1000V)		4350

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b) DC AMMETER					
MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT LSPW-1 / SIZE: 300x196x133 mm	DC	MILIAMP	ANY STANDARD SINGLE RANGE (0-0.5mA TO 0-750mA)	0.5	4200
		AMMETER	ANY STANDARD SINGLE RANGE (0-1A TO 0-5A)		4320
			ANY STANDARD SINGLE RANGE (0-10A TO 0-50A)		4445
		MILIAMP	ANY STANDARD DUAL RANGE (0-0.5/1A TO 0-300/600mA)		4320
		AMPERE	ANY STANDARD DUAL RANGE (0-0.5/1A TO 0-5/10A)		4445
			ANY STANDARD DUAL RANGE (0-0.10/20A TO 0-25/50A)		4580
Note: Higher range with external shunts can be quoted on request					
c) AC/DC AMMETER					
MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT LSPW-3	AC/DC	AMPERE	ANY STANDARD SINGLE RANGE (0-0.5A TO 0-10A)	0.5	4770
			ANY STANDARD DUAL RANGE (0-0.5/1A TO 0-5/10A)		5085
d) AC/DC VOLTMETER					
MODEL	PHASE	PARAMETER	RANGE	ACC. CLASS	PRICE
PORT LSPW-3	AC/DC	VOLT	ANY STANDARD SINGLE RANGE (0-75V TO 0-600V)	0.5	4830
			ANY STANDARD DUAL RANGE (0-75/150V TO 0-300/600V)		4955
			ANY STANDARD TRIPLE RANGE (0-75/150/300V TO 0-150/300/600V)		5085
e) POWER METERS WITH BUILT-IN TRANSDUCERS					
MODEL	PARAMETR	RANGE		ACC. CLASS	PRICE
		POTENTIAL	CURRENT		
PORT.SPW-UPF-R (ANALOGUE)	1PH WATT	ANY SINGLE VOLTAGE (0-15V TO 0-600V)	ANY DUAL CURRENT (0-100/200mA TO 0-5/10A)	0.5	6485
		ANY DUAL VOLTAGE (0-15/30V TO 0-300/600V)	ANY DUAL CURRENT (0-100/200mA TO 0-5/10A)		6610
PORT.SPW-LPF-R (ANALOGUE)	1PH WATT	ANY SINGLE VOLTAGE (0-15V TO 0-600V)	ANY DUAL CURRENT (0-100/200mA TO 0-5/10A)		6485
		ANY DUAL VOLTAGE (0-15/30V TO 0-300/600V)	ANY DUAL CURRENT (0-100/200mA TO 0-5/10A)		6610

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AE Automatic Electric Ltd. **PRICE LIST**

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Effective from Dated: 01/01/2026

G) DYNAMOMETRIC PORTABLE INSTRUMENTS

a) WATT UPF SINGLE PHASE

MODEL	PARAMETR	RANGE		ACC. CLASS	PRICE
		CURRENT	VOLTAGE		
PORT MSMB-4	1PH WATT	ANY STANDARD SINGLE SINGLE CURRENT (0-0.5A TO 0-15A)	ANY STANDARD SINGLE VOLTAGE (0-62.5V TO 0-600V)	1.0	2930
			ANY STANDARD DUAL VOLTAGE (0-62.5/125V TO 0-300/600V)		3045
			ANY STANDARD TRIPLE VOLTAGE (0-62.5/125/250V TO 0-150/300/600V)		3160
PORT MSMB-4	1PH WATT	ANY STANDARD DUAL CURRENT (0-0.5/1A TO 0-15/30A)	ANY STANDARD SINGLE VOLTAGE (0-62.5V TO 0-600V)	1.0	3160
			ANY STANDARD DUAL VOLTAGE (0-62.5/125V TO 0-300/600V)		3270
			ANY STANDARD TRIPLE VOLTAGE (0-62.5/125/250V TO 0-150/300/600V)		3380

b) WATT INSTRUMENTS LPF

MODEL	PARAMETR	RANGE		ACC. CLASS	PRICE
		CURRENT	VOLTAGE		
PORT LSDW-1 PF 0.2	1PH WATT	ANY STANDARD SINGLE SINGLE CURRENT (0-0.5A TO 0-30A)	ANY STANDARD SINGLE VOLTAGE (0-62.5V TO 0-600V)	1.5	5600
			ANY STANDARD DUAL VOLTAGE (0-62.5/125V TO 0-300/600V)		5710
			ANY STANDARD TRIPLE VOLTAGE (0-62.5/125/250V TO 0-150/300/600V)		5825
		ANY STANDARD DUAL CURRENT (0-0.5/1A TO 0-15/30A)	ANY STANDARD SINGLE VOLTAGE (0-62.5V TO 0-600V)		5825
			ANY STANDARD DUAL VOLTAGE (0-62.5/125V TO 0-300/600V)		5935
			ANY STANDARD TRIPLE VOLTAGE (0-62.5/125/250V TO 0-150/300/600V)		6050

*NOTE: RS. 100 EXTRA FOR ACCURACY CLASS 1%

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c) WATT INSTRUMENTS UPF (PRECISION GRADE)					
MODEL	PARAMETR	RANGE		ACC. CLASS	PRICE
		CURRENT	VOLTAGE		
PORT LSDW-2	1PH WATT	ANY STANDARD SINGLE SINGLE CURRENT (0-0.5A TO 0-30A)	ANY STANDARD SINGLE VOLTAGE (0-62.5V TO 0-600V)	0.5	5370
			ANY STANDARD DUAL VOLTAGE (0-62.5/125V TO 0-300/600V)		5480
			ANY STANDARD TRIPLE VOLTAGE (0-62.5/125/250V TO 0-150/300/600V)		5600
		ANY STANDARD SINGLE VOLTAGE (0-62.5V TO 0-600V)	5600		
		ANY STANDARD DUAL VOLTAGE (0-62.5/125V TO 0-300/600V)	5710		
		ANY STANDARD TRIPLE VOLTAGE (0-62.5/125/250V TO 0-150/300/600V)	5825		
d) WATT INSTRUMENTS UPF					
MODEL	PHASE	RANGE		ACC. CLASS	PRICE
		CURRENT	VOLTAGE		
PORT LSDW-3 (WATT)	3PH-1EL	1, 2.5, 5, 10A	110, 150, 300, 440, 600 V	1.5	4920
PORT LSDW-4 (WATT)	3PH-2EL	0 - 0.5, 1, 2.5, 5, 10, 1/2, 2.5/5, 5/10, 10/20A	110, 150, 300, 440, 600, 150/300, 110/400, 300/600 V		6950
PORT LSDW-5 (WATT)	3PH-3EL	0 - 0.5, 1, 2.5, 5, 1/2, 2.5/5, 5/10, 10/20A	110, 150, 300, 440, 600 V		8370
PORT LSDW-6 (VAR)	3PH-2EL	0 - 0.5, 1, 2.5, 5, 10A	110, 150, 300, 440, 600, 150/300, 110/440, 300/600 V		7780
PORT LSDW-7 (VAR)	3PH-3EL	0 - 0.5, 1, 2.5, 5, 10, 1/2, 2.5/5, 5/10, 10/20A	110, 150, 300, 440, 600		8420
e) POWER FACTOR METERS					
MODEL	PHASE	RANGE		ACC. CLASS	PRICE
		CURRENT	VOLTAGE		
PORT LSDW-8	1PH	SINGLE CURRENT (0.5, 1, 2.5, 5, 10A)	110/250/500V 125/250V 250/500V 62.5/125/250V 125/250/500V 150/300/600V	± 2°	5195
PORT LSDW-8/31	3PH-2EL	1 OR 5 A	110 OR 440 V	± 2°	5195
PORT LSDW-8/32	3PH-2EL	0-0.5, 1, 2.5, 5, 10 A	125/250 V	± 2°	6550
		2.5/5M 5/10, 10/20 A	250/500 V	± 2°	6855
PORT LSDW-9	3PH-3EL	0 - 0.5, 1, 2.5, 5, 10 A	110, 250/500 V	± 2°	7780

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7. OTHER METER					
A. SYNCHROSCOPE (MECHANICAL & LED TYPE)					
MODEL	TYPE	OPERATING VOLTAGE	ACCU.	PRICE	
SYN-96M	MOVING VANE TYPE	110 VOLTS	± 2°	1830	
SYN-96M	MOVING VANE TYPE	63.5/230/440V (WITH EXT. POTENTIAL TRANSFORMER)		2730	
SYN-96E	ROTATING LIGHT TYPE	110 VOLTS		2425	
SYN-96E	ROTATING LIGHT TYPE	63.5/230/440V (WITH EXT. POTENTIAL TRANSFORMER)		3325	
SYN-144M	MOVING VANE TYPE	110 VOLTS		1860	
SYN-144M	MOVING VANE TYPE	63.5/230/440V (WITH EXT. POTENTIAL TRANSFORMER)		2760	
SYN-144E	ROTATING LIGHT TYPE	110V		2605	
SYN-144E	ROTATING LIGHT TYPE	110V (WITH EXT. POTENTIAL TRANSFORMER)		3500	
EXTERNAL PT ALSO AVAILABLE AT RS. 900 EXTRA					
B . PHASE SEQUENCE INDICATOR					
MODEL	TYPE	OPERATING VOLTAGE	PRICE		
PSI 96-M	96X96mm ELECTRO MECHANICAL	50V TO 500V AC FOR 25 TO 60 Hz	1150		
C. DIFFERENTIAL VOLTMETER (MOVING COIL TYPE)					
MODEL	TYPE	OPERATING VOLTAGE	PRICE		
SM-96	MOVING COIL(FSD 90DEG.)	63.5V TO 600V (SINGLE RANGE)	1020		
SQ-96	MOVING COIL(FSD 240DEG.)	63.5V TO 600V (SINGLE RANGE)	1395		

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Manufacturing Plants:

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Unit 2 (Power Division): Plot No:- 96/98, Lonavala Indl Estate, Nangargaon, Lonavala- 410 401 (MH) India



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8. SHUNT

A. STANDARD SHUNT (as per IS 1248 / DIN 43703 / DIN 43780)

TYPE	CURRENT RATINGS	mV DROPS	ACCU. CLASS	PRICE (Rs.)
Insulated Mounting	1, 1.5, 2, 2.5, 3, 4, 5, 6, 10, 15, 20, 25A	50, 60, 75	1	380
I Section	30, 40, 50A, 60A, 75A	50, 60, 75	1	380
	80, 100A			510
	120, 150A			670
L Section	200A	50, 60, 75	1	1060
	250A			1180
	400A			1715
	600A			1980
	750A			2215
	800, 850,900A			3180
	1000, 1200A			4945
	1250, 1500A			6395
	1600A			7435
	2000A			7850
	2500A			9390
3000A	9385			
T Section	4000A	50, 60, 75	1	13200
	5000A			21500
	6000A			35070
	7500A			42660
	8000A			60880
	10000A			93660
	12000A			149295
	15000A			170625

NOTE : 1) Prices for other mV drops on request.

2. EXTRA COST FOR ACCURACY CLASS .05

SHUNT WITH ACCU 0.5

1A TO 500AMP RS.100

600A TO 1000 AMP RS.150

ABOVE 1000A TO 3000AMP RS.300

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9. DIGITAL METER						
A. DIGITAL AC METERS						
a) AC VOLTMETER (4 Digits Programmable) : Series μ M						
MODEL	TYPE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE
AE 62131	1 PH	Volt	30 V to 600V Direct	48 x 96	0.5	1770
AE 62132				96 x 96		1355
AE 62133				72 x 72*		1770
AE 62134				72 x 144		3500
AE 62135				144 x 144*		2370
AE 62141	1 PH	Volt	30 V to 600V Direct	48 x 96	1	1020
AE 62142				96 x 96		1000
AE 62143				72 x 72*		1100
AE 62144				72 x 144		2750
AE 62145				144 x 144*		2040
b) AC AMMETER (4 Digits, Programmable) Series μ M						
MODEL	TYPE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE
AE 60131	1 PH	Amp	5A Direct	48 x 96	0.5	1770
AE 60132			Above 5A	96 x 96		1355
AE 60133			- use CT 1A OR 5A sec.	72 x 72*		1770
AE 60134				72 x 144		3500
AE 60135				144 x 144*		2485
AE 60141	1 PH	Amp	5A Direct	48 x 96	1	1020
AE 60142			Above 5A	96 x 96		1000
AE 60143			- use CT 1A OR 5A sec.	72 x 72*		1100
AE 60144				72 x 144		2775
AE 60145				144 x 144*		2145

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c) AC VOLTMETER (4 Digits, Programmable with Built in Selector Switch)Series μM						
MODEL	TYPE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE
AE 62332	3 PH	Volt	30 V to 600V Direct	96 x 96	0.5	1500
AE 62342				96 x 96	1	1270
AE 62331	3 PH	Volt	30 V to 600V Direct	48 x 96	0.5	1555
AE 62341				48 x 96	1	1415
AE 62334	3 PH	Volt	30 V to 600V Direct	72 x 144	0.5	3900
AE 62344				72 x 144	1	3150
AE 62335	3 PH	Volt	30 V to 600V Direct	144 x 144	0.5	2880
AE 62345				144 x 144	1	2435
c) AC AMMETER (4 Digits, Programmable with Built in Selector Switch)Series μM						
MODEL	TYPE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE
AE 60331	3 PH	Amp	5A Direct Above 5A	96 x 96	0.5	1615
AE 60341			- use CT 1A			
AE 60341			or 5A sec.	96 x 96	1	1385
AE 60331	3 PH	Amp	5A Direct Above 5A	48 x 96	0.5	1670
AE 60341			- use CT 1A			
AE 60341			or 5A sec.	48 x 96	1	1420
AE 60334	3 PH	Amp	5A Direct Above 5A	72 x 144	0.5	3900
AE 60344			- use CT 1A			
AE 60344			or 5A sec.	72 x 144	1	3175
AE 60335	3 PH	Amp	5A Direct Above 5A	144 x 144	0.5	2770
AE 60345			- use CT 1A			
AE 60345			or 5A sec.	144 x 144	1	2550

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B. DIGITAL DC METERS						
a) DC VOLT METER (4 Digits, Range Programmable) Series μM						
MODEL	TYPE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE
AE 82131	1 PH	Volt	200mV to 600V	48 x 96	0.5	1615
AE 82132			With Built in Resistance	96 x 96		1615
AE 82133				72 x 72*		1615
AE 82134				72 x 144		3290
AE 82135				144 x 144*		2425
AE 82141	1 PH	Volt	200mV to 600V	48 x 96	1	1260
AE 82142			With Built in Resistance	96 x 96		1260
AE 82143				72 x 72*		1500
AE 82144				72 x 144		3095
AE 82145				144 X 144*		2135
b) DC AMMETER (4 Digits, Range Programmable) Series μM						
MODEL	TYPE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE
AE 80131	1 PH	Amp	20mA to 5A Direct	48 x 96	0.5	1615
AE 80132			Beyond 5A	96 x 96		1615
AE 80133			- used External Shunt of	72 x 72*		1455
AE 80134			50 / 60 / 75mV drop	72 x 144		3185
AE 80135				144 x 144*		2540
AE 80141	1 PH	Amp	20mA to 5A Direct	48 x 96	1	1260
AE 80142			Beyond 5A	96 x 96		1260
AE 80143			- used External Shunt of	72 x 72*		1385
AE 80144			50 / 60 / 75mV drop	72 x 144		2895
AE 80145				144 x 144*		2250

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C. FREQUENCY METER (4 DIGIT) Series μM							
MODEL	TYPE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE	
AE 64111	1 PH	Frequency	30 to 99.99 Hz	48 x 96	0.1	1770	
AE 64112			with Built - in Transducer	96 x 96		1770	
AE 64114				72x 144 *		3500	
AE 64115				144 x 144*		2310	
AE 64121					48 x 96	0.2	1185
AE 64122				96 x 96	1185		
AE 64124				72 x 144*	3000		
AE 64125				144 x 144*	2020		
Note :							
1) Frequency Meters are with 4 Digit Display.							
2)No Auxiliary supply is required for Frequency Meter between Range 45 – 55Hz and Input supply 110V/240V 50Hz.							
For any other Frequency range or Input supply, Auxiliary supplyof110V/240V, 1-Phase, 50 Hz AC is required.							
D) POWER FACTOR METER (4 DIGIT) Series μM							
MODEL	TYPE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE	
AE 65101	1 PH	Power Factor	1A / 5A and 110V / 230V	48 x 96	$\pm 2^\circ$	3300	
AE 65102			with Built-in Transducer	96 x 96		3580	
AE 66301	3 PH 1EL		1A / 5A and	48 x 96	$\pm 2^\circ$	3300	
AE 66302			110V / 230V / 440V	96 x 96		3580	
AE 66303				72 x144*		4040	
AE 67302	3PH 2EL 3W			1A / 5A and	96 x 96	$\pm 2^\circ$	3915
AE 68302	3PH 3EL 4W			110V / 230V / 440V			4415
AE 69304	3PH 3EL 4W						144 x 144

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E. DIGITAL POWER METERS WITH IN BUILT TRANSDUCER (Series μM)						
Watt/VAR/VA Meter						
MODEL	TYPE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE
AE 70131	1 PH	Watt / VAR / VA	110V or 230V	48 x 96 #	0.5	2885
AE 70132			or 440V	96 x 96	0.5	2885
AE 70134			&	72 x 144* #	0.5	5660
AE 70135				144 x 144	0.5	5985
AE 70151			1A or 5A	48 x 96 #	1	2600
AE 70152				96 x 96	1	2600
AE 70154			Note : Please specify	72 x 144* #	1	5485
AE 70155				144 x 144	1	5775
AE 73332	3PH 2EL 3W	Watt / VAR / VA	exact parameter while ordering.	96 x 96	0.5	3755
AE 73334	Balanced & Unbalanced Load			72 X 144	0.5	5830
AE 73342	3PH 2EL 3W	Watt / VAR / VA		96 x 96	1	3235
AE 73344	Balanced & Unbalanced Load			72 X 144	1	5600
AE 74332	3PH 3EL 4W	Watt / VAR / VA		96 x 96	0.5	3810
				72 X 144	0.5	6180
AE 74334	Balanced & Unbalanced Load	Watt / VAR / VA		144 x 144	1	8200
AE 74342	3PH 3EL 4W			96 x 96	1	3465
		Watt / VAR / VA		72 X 144	1	5890
AE 74344	Balanced & Unbalanced Load			144X 144	.0.5	8200
Note: While Ordering the "Power Meters", please add below mentioned alphabet given in . to the mc "A" : W , "B" : kW "C" : MW "D" : VAR "E" : kVAR						
"F" : MVAR "G" : VA "H" : kVA "I" : MVA						
# Meters are available with External Transducer.						
F. OPTIONAL FEATURES						
1.	48 x 96, 96 x 96 and 72 x 144mm Meters can also be supplied with 4½ Digit display (Indication upto 1 9 9 9 9) at extra cost per meter.					770
2.	Non-standard unit calibration such as %, RPM, kg/cm can be provided (subject to technical feasibility).					110
3.	Frequency Meter suitable for higher frequency (100 to 1000Hz) can be supplied.					110
4.	DC Ammeters beyond 5A to be used with DC External Shunt of 50/60/75mV drop.					Shunt price extra.
5.	Digital Panel Meters are normally supplied with RED LED display. However, these can also be supplied with GREEN LED display depending upon availability.					Nil
6.	For DC Auxiliary Supply 48 V / 110 / 230V DC					550
7.	For DC Auxiliary Supply 24VDC					825
8.	7) Ammeter with selector switch and Voltmeter with selector switch also available with 0.8 inch display at extra price Rs. 250 each					250
NOTES :						
1) Above Digital Meters, except Frequency and Power Factor Meters, are with 3½ Digit display, i.e. indication upto 1 9 9 9.						
2) 72 x 144mm and 144 x 144mm Meters are with 25mm (1") Display height, whereas all other sizes are with 12.5mm (½ ") Display height.						
3) Auxiliary Supply of 110V/240V 50Hz is required for all types of Digital Panel Meters except Frequency Meter.						
4) Auxiliary supply of 24V DC, 48V / 110V / 220V DC can be supplied against specific enquiry						
5) '*' Indicates subject to availability minimum 10 no's meters in a single order.						
6) 4½ Digit Meter not available in 72 x 72 mm size.						

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10. ENERGY METER (kWh)						
a) ENERGY METER (WITH 6 DIGIT LED DISPLAY)						
MODEL	PHASE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE
KWHD 33132	1 PHASE	KWH	63.5V / 110V / 240V / 440V & 1A / 5A	96 X 96	0.5	2310
KWHD 33142	1 PHASE	KWH			1	2020
KWHD 34332	3PH - 2EL - 3W	KWH			0.5	3750
KWHD 34342	3PH - 2EL - 3W	KWH			1	2885
KWHD 35332	3PH - 3EL - 4W	KWH			0.5	3810
KWHD 35342	3PH - 3EL - 4W	KWH			1	3465
b) DUAL kWh						
MODEL	PHASE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE
2KWD	3P-3E-4W	KWH	63.5V / 110V / 240V / 440V & 1A / 5A	96 X 96	1	5775
d) DC kWh						
MODEL	PHASE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE
DC KWH	1 PHASE	KWH	48V/110V/220VDC	96 X 96	1	5775
NOTES :						
1) RS 485 Communication Port can be provided on the Static Energy Meters at the following EXTRA CHARGES per Meter.						
a) Static Energy Meter with Accuracy Class 1.0 : @ Rs. 700.00						
b) Static Energy Meter with Accuracy Class 0.5 : @ Rs. 750.00						
However, a MSC485-232 Module is required to be connected to RS-485 Port for communication, with PC (for Static Energy Meter). This "MSC485-232 Converter Module" can be provided at an extra cost of Rs. 3,500.00 and one such Module can drive 255 KWH Units upto a distance of 1000 meters.						
2) Static Energy Meters with Impulse Counter / LED Display are "self-powered". However, meters with RS485 port required Auxiliary Supply. KWH Meter with LED display has height of 8mm. All LED displays are Red LEDs.						
3) MS-Windows compatible 'Energy Monitoring Software' - "KWH SOFTCOM" is available at extra cost.						
4) While ordering these Meters, please state the Model Nos. mentioned in the Price List.						

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11. DIGITAL VIF METER

A) DIGITAL COMBIMETER (VIF) WITH THREE WINDOW LED DISPLAY

MODEL	PHASE	PARAMETER	RANGE	SIZE (mm)	ACCU. CLASS	PRICE
VIF 16142	1 PHASE (3 digit)	VIF	0-300 / 0-600V AC 1A / 5A 45-55Hz.	96 X 96	1	1560
VIF 17142	3 PHASE (3 or 4 digit)	VIF	Field settable CTR/PTR, 440/110 V AC 1A / 5A	96 X 96	1	2310

Multifunction Meter BM Series (Economy) (With THD % Measurement) with accuracy class 1.0/0.5 and aux supply : 85-285 AC/DC

Size: 96 X 96 mm	
AE MODEL NO.	List price
AE 9000-BM	6700

Size: 144 X 144mm	
AE MODEL NO.	List price
AE 1440-BM	7275

Special Class Multifunction Meters :-

Model	Accuracy Class	Size	List Price
AE9000S	0.2	96 x 96mm	16590
AE1440S	0.2	144 x 144mm	17640
AE1440BMS	0.2	96 x 96mm	15540

Tap Position Indicator with 4-20mA Output :-

Model	No of Tap	Accuracy	List Price
TPI-17	17 Taps	0.5	8505
TPI-35	35 Taps	0.5	8505
TPI-99	99 Taps	0.5	8925

Product	List Price
Temperature Controller with 2 channel output	2260
Temperature Scanner	2050
Energy Audit Kit	131250

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12. Multifunction Meter AE 9000 (With THD % Measurement)					
Size: 96 X 96mm		Size: 144 X 144mm			
AE MODEL NO.	List price	AE MODEL NO.	List price		
AE 9000	10975	AE 1440	11550		
AE 9001	9240	AE 1441	9820		
AE 9002	9820	AE 1442	10395		
AE 9003	8085	AE 1443	8660		
SPECIFICATIONS:					
Sr.No.	Basic Specification	AE 9000	AE 9001	AE 9002	AE 9003
		AE 1440	AE 1441 Energy Class - LED Display	AE 1441 Power Class - LED Display	AE 1443 LED Display Economy
1	Volts (R-N, Y-N, B-N)	√	√	√	√
2	Volts (RY, YB, BR)	√	√	√	√
3	Avg. Voltage	√	√	√	√
4	Current (R, Y, B)	√	√	√	√
5	Avg. Current	√	√	√	√
6	IN	√			
7	Frequency	√	√	√	√
8	pf (R, Y, B)	√		√	
9	System PF	√	√	√	√
10	Phase Angle (R, Y, B)	√			
11	Phasor Angle (R-Y, Y-B, B-R)	√			
12	kWh Total	√	√		√
13	kWh (Import / Export)	√	**		
14	kVAh Total	√	**		
15	kVAh (Import / Export)	√	**		
16	kVAh Total	√	√		
17	kVAh (Import / Export)	√	**		
18	Prev. Energy total (KWh, KVRRh, KVARh)	√			
19	Prev. Energy Import (KWh, KVRRh, KVARh)	√			
20	Prev. Energy Export (KWh, KVRRh, KVARh)	√			
21	kW (R, Y, B)	√		√	
22	System kW	√		√	√
23	kVA (R, Y, B)	√		√	
24	System kVA	√		√	√
25	kVAr (R, Y, B)	√			
26	System kVAr	√			
27	MD KW	√	*	*	√
28	MD KVA	√	*	*	
29	Run Hrs. Total	√	√		√
30	Run Hrs. (Import, Export)	√			
31	Prev. Run Hrs Total	√			
32	Prev. Run Hrs (Import, Export)	√			
33	Total On Hrs.	√	√		√
34	RTC - Date & Time	√	*		
35	3P 3E 4W	√	√	√	√
36	3P 3E 4W	√	√	√	√
37	3P 2E 4W	√			√
38	1P 1E	√			
39	CTR / PTR Programming (Primary / Sec.)	√	√	√	√
40	DISPLAY	LED	LED	LED	LED
41	RS 485 Current	√	*	√	
42	THD % of Voltage Current signal	√			
	LED Test	√			√
	Memory Test	√			
43	EMS/ BMS Software comply	√	*	*	
44	Accuracy class	1 (0.5 *)	1 (0.5 *)	1 (0.5 *)	1

Note: Parameter marked by * will be optional
Accuracy class is not same for all measured parameters

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14. POWER LINE TRANSDUCER								
A. VOLTAGE TRANSDUCER								
a) VOLTAGE TRANSDUCER WITH AC AUXILIARY SUPPLY (SINGLE OUTPUT)								
MODEL	TYPE	PHASE	PARAMETER	INPUT RANGE	OUTPUT RANGE	SIZE (mm)	ACCU. CLASS	PRICE
50135	PD1	DC	VOLTAGE	0-500V	Refer Table 4 F	130X70X108	0.5	3640
51135	PD1	AC	VOLTAGE	0-500V		130X70X108	0.5	3640
B. CURRENT TRANSDUCER								
a) CURRENT TRANSDUCER WITH AC AUXILIARY SUPPLY (SINGLE OUTPUT)								
MODEL	TYPE	PHASE	PARAMETER	INPUT RANGE	OUTPUT RANGE	SIZE (mm)	ACCU. CLASS	PRICE
52135	PD1	DC	CURRENT	0-5A Above 5 A	Refer Table 4 F	130X70X108	0.5	3640
				Use External Shunt				
53135	PD1	AC	CURRENT	0-5A Above 5 A		130X70X108	0.5	3640
C. FREQUENCY power factor TRANSDUCER								
a) FREQUENCY & power factor TRANSDUCER WITH AC AUXILIARY SUPPLY (SINGLE OUTPUT)								
MODEL	TYPE	PHASE	PARAMETER	INPUT	OUTPUT RANGE	SIZE (mm)	ACCU. CLASS	PRICE
54135	PD1	AC	FREQUENCY	50/60 Hz, 400(± 20) Hz	Refer Table 4 F	130X70X108	0.2% OF C.F.	3640
				1PH or 3PH-1EL				
55135	PD1	AC	PF	1PH or 3PH-1EL, Balanced Load		130X70X108	0.5	2275
55136	PD3	AC	PF	3PH-3EL-4W		175X75X110	0.5	2275
D. POWER TRANSDUCER								
a) WATT TRANSDUCER WITH AC AUXILIARY SUPPLY (SINGLE OUTPUT)								
MODEL	TYPE	PHASE	PARAMETER	INPUT RANGE	OUTPUT RANGE	SIZE (mm)	ACCU. CLASS	PRICE
56135 *	PD3	1PH	WATT	Voltage : 500V AC	Refer Table 4 F	175X75X110	0.5	2275
56336 *	PD3	3PH-2EL-3W	WATT	Current : 1A OR 5A		175X75X110	0.5	2275
56337 *	PD3	3PH-3EL-4W	WATT	CT secondary		175X75X110	0.5	2275
b) VAR TRANSDUCER WITH AC AUXILIARY SUPPLY (SINGLE OUTPUT)								
MODEL	TYPE	PHASE	PARAMETER	INPUT RANGE	OUTPUT RANGE	SIZE (mm)	ACCU. CLASS	PRICE
57136 *	PD3	1PH	VAR	Voltage : 500V AC	Refer Table 4 F	175X75X110	0.5	2275
57336 *	PD3	3PH-2EL-3W	VAR	CT secondary		175X75X110	0.5	2275
57337 *	PD3	3PH-3EL-4W	VAR			175X75X110	0.5	2275
c) VA TRANSDUCER WITH AC AUXILIARY SUPPLY (SINGLE OUTPUT)								
MODEL	TYPE	PHASE	PARAMETER	INPUT RANGE	OUTPUT RANGE	SIZE (mm)	ACCU. CLASS	PRICE
58135 *	PD3	1PH	VA	Voltage : 500V AC	Refer Table 4 F	175X75X110	0.5	2275
58336 *	PD3	3PH-2EL-3W	VA	CT secondary		175X75X110	0.5	2275
58337 *	PD3	3PH-3EL-4W	VA			175X75X110	0.5	2275

Automatic Electric Limited

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HO Office Address

Rectifier House, 570 Naigaum Cross Road Wadala Mumbai - 400 031 (MH) India

Manufacturing Plants:

Unit 1 (Meter & LT CT and PT Division): 366, Suraiya Road, Near Suraiya Bunglow, Lonavala – 410401 (MH) India

Unit 2 (Power Division): Plot No:- 96/98, Lonavala Indl Estate, Nangargaon, Lonavala- 410 401 (MH) India



Automatic Electric Ltd.

PRICE LIST

(CIN U99999MH1960PLC011780)

Effective from Dated: 01/01/2026

E. MULTIFUNCTION TRANSDUCER								
MODEL : PMT-9 with 4 analogue & 2 Digital Outputs (With RS-485 Port)							17900	
MODEL : PMT-9 with 2 Output							14910	
MODEL : PMT-9 with 4 Output with accuracy 0.2%							17900	
MODEL : PMT-R							5985	
F. OUTPUT RANGE TABLE (ANY ONE)								
CURRENT	0-1mA	0-5mA	0-10mA	0-20mA	4-20mA	10-0-10mA		
MAX. LOAD	10 k OHMS	2 k OHMS	1 k OHMS	500 OHMS	500 OHMS	1 k OHMS		
VOLTAGE	0-1 V	0-5 V	0-10 V	1-5 V	2-10 V	10-0-10 V		
MAX. LOAD	500 OHMS	2.5 k OHMS	5 k OHMS	2.5 k OHMS	5 k OHMS	5 k OHMS		
G. AUXILIARY SUPPLY (ANY ONE)								
AC V	63.5 V, 110V, 220 V, 230 V, 240 V, 380 V, 415 V, 440 V \pm 10% AT 50 / 60 Hz							
DC V	24 V, 48 V, 110 V, 220 V \pm 10% (at extra cost)							
H. OPTIONAL FEATURES								
a) Dual Output							300	
b) Isolation between both outputs							500	
c) Better accuracy class of \pm 0.2% for I, V & Power Transducer							500	
* DC Auxiliary Supply								
a) 24V DC							550	
b) 48V to 220V DC							800	
c) Universal (80V to 250V AC/DC)							800	
4kV High Voltage withstand test level for 1 minute (Standard is 2kV RMS for 1 Minute)							300	
O/P 4 to 20 mA at 750 ohm load resistance							800	
Bipolar (kW / kVAR) Transducers with Auxiliary Supply -								
a) 240V / 110V AC							550	
b) 24V DC							1050	
c) 48V to 220V DC							1350	
Notes :								
1) While Ordering the "Transducer", please add below mentioned alphabet given in * to the model:-								
"A"	:	W	"B"	:	kW	"C"	:	MW
"D"	:	VAR	"E"	:	kVAR	"F"	:	MVAR
"G"	:	VA	"H"	:	kVA	"I"	:	MVA
2) Din Rail Mounting on request without extra cost.								
*Better accuracy 0.2% for current, voltage, PF and Power Transducer Rs.500								

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Effective from Dated: 01/01/2026

15. NEW SERIES TRANSDUCER								
A. PROGRAMMABLE TRANSDUCER (Voltage / Current / Power)								
a) TRANSDUCER WITH UNIVERSAL AUXILIARY SUPPLY (SINGLE ANALOG OUTPUT)								
MODEL	TYPE	PHASE	PARAMETER	INPUT RANGE	OUTPUT RANGE	SIZE (mm)	ACCU. CLASS	PRICE
Utr-3	Utr-3	AC 3 PH-2E/3E – 3W/4W	KW/KVA/KVA /PF	Non-Programmable	4-20 mAmp @500 OHM	130X78X101	1	Existing PD3
PTr-V	PD1	AC	VOLTAGE	0-500V	4-20 mAmp @500 OHM	130X70X108	1	5460
PTr - I	PD1	AC	CURRENT	0-7999 A	4-20 mAmp @500 OHM	130X70X108	1	5460
PTr-P	PTr-P	AC 3 PH- 3E – 3W/4W	KW/KVA/KVAr/PF	PROGRAMMABLE	4-20 mAmp @500 OHM	130X78X101	1	12000
Tr-3V	PD3	AC 3 PH	CURRENT	0-7999 A	4-20 mAmp @500 OHM	175X85X110	1	7275
Tr-3A	PD3	AC 3 PH	VOLTAGE	0-500V	4-20 mAmp @500 OHM	175X85X110	1	7275
SPECIAL NOTE:								
AUXILIARY SUPPLY : - Universal : 85 – 285 V AC/DC (Standard)								
For Three Phase Current & Voltage Transducers, there were three separate output shall be available (Phase wise separate 4- 20 mADC output).								
B. OPTIONAL FEATURES								PRICE
a) Dual Output (4- 20 mAmp @ 500 Ohm Load)								365
b) Isolation betw een both outputs								525
c) Better accuracy class of $\pm 0.5\%$ of Range for V/ I /Power Transducer								420
d) 3kV High Voltage withstand test level Between I/P & O/P for 1 minute (Standard is 2k V RMS for 1 Minute)								315

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