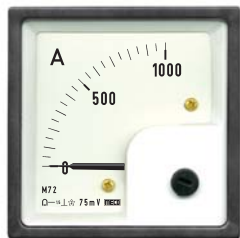


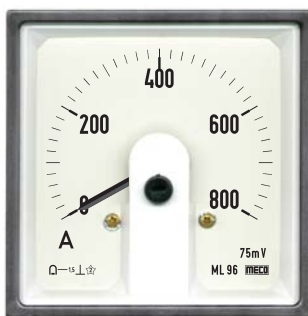
CE



M72, M96



ML72, ML144



ML96



ML110

Model	M72, M96	ML72, ML144, ML96, ML110
Description	Full Scale deflection 90°	Full Scale deflection 240°
Movement Type	Moving-coil with central magnetic Core; spring-mounted bearing jewel suspension	Moving-coil with central magnetic Core; spring-mounted bearing jewel suspension
Accuracy	± 1.5% of Full Scale	± 1.5% of Full Scale for ML96, ML144, ML110 + 2.5% of Full Scale for ML72
Sensitivity	1000Ω/V (Voltmeter); 200Ω/V (Ammeter)	1000Ω/V (Voltmeter); 200Ω/V (Ammeter)
Operating Voltage	600 V RMS max.	600 V RMS max.
Test Voltage	2.5 KV for 1 minute at 50 Hz	2.5 KV for 1 minute at 50 Hz
Construction & Design	According to IS 1248; EN 60051	According to IS 1248; EN 60051
Scale	According to DIN 43802	According to DIN 43802
Casing	Size 72, 96 ABS Case with Glass Front	Size 72, 96, 144 ABS Case with Glass Front Size 110 ABS Case with Clear Polycarbonate Cover
Dimensions and Panel cutout	Refer Dimensions Page Overleaf	

Ammeters				Volts	
μA	mA	A*	On shunt	mV	V
	1 mA	1 A	—A/60 mV		1 V
	1.5 mA	1.5 A	—A/75 mV		1.5 V
	2 mA	2 A	—A/100 mV		2 V
	2.5 mA	2.5 A			2.5 V
	4 mA	4 A			4 V
	5 mA	5 A	5A/75 mV		5 V
	6 mA	6 A	6A/75 mV		6 V
	10 mA	10 A	10A/75 mV		10 V
	15 mA	15 A	15A/75 mV		15 V
	20 mA	20 A	20A/75 mV		20 V
	25 mA	25 A	25A/75 mV		25 V
	30 mA	30 A	30A/75 mV		30 V
	40 mA	40 A	40A/75 mV		40 V
	50 mA	50 A	50A/75 mV	50 mV	50 V
	60 mA		60A/75 mV	60 mV	60 V
	75 mA		75A/75 mV	75 mV	75 V
100 μA	100 mA		100A/75 mV	100 mV	100 V
150 μA	150 mA		150A/75 mV	150 mV	150 V
250 μA	250 mA		250A/75 mV	250 mV	250 V
400 μA	400 mA		400A/75 mV	400 mV	400 V
500 μA	500 mA		500A/75 mV	500 mV	500 V
600 μA	600 mA		600A/75 mV	600 mV	600 V
800 μA	800 mA		800A/75 mV	800 mV	800 V
			and higher		1000 V

Ordering Information : Model, Input Range, Scale

Notes

- ☐ Ranges common to M and ML Series
- ☐ All other refer to M Series only
- * For ML72 DC direct current upto 1A. Above 1A use with external shunt.
- a) Double stamping / non-standard / centre zero marking available.
- b) Zero supp. DC ammeter for 4-20mA & voltmeter for 5-10V available.
- c) Voltmeters with sensitivity 10K Ohms / V available in 90°
- d) Rubber gaskets for vibration proof available.
- e) Other ranges subject to technical feasibility.
- f) Terminal Protection Cover (Optional) on request for all Models except ML144

Wiring Diagram

