



48 x 48mm

Features :

- 1Ø True RMS measurement
- 4 Digit 7 segment LCD display
- Analog style bargraph indication
- CT primary programmable up to 5000A
- CE & RoHS certified

Certifications :

Display specification

Display	7 segment LCD
Digit	4
Digit Height	0.56" (14.2mm)
Display update time	1 sec
Resolution	0.001, 0.01, 0.1, 1A (Depending upon CT Primary Setting)

Input specifications

Electrical connection	1Ø - 2wire
Input type	AC
Nominal input current ranges	50mA - 6A
Max continuous input current	6.2A
Accuracy	±0.5%

Electrical specification

Nominal input burden	<0.2 VA approx. per phase
Overload withstand	20x rated value for 1 second, Repeated 5 times at 5 min intervals
Installation category	III
High voltage test	3.3 kV AC, 50Hz for 1 minute
Warm up time	Minimum 3 minute
IP protection	IP 50

Auxiliary supply specification

Auxiliary supply	240V AC, ±20%
Frequency range	50 to 60Hz
Power Consumption	12VA max

Settable parameters

CT primary	5, 10, 15, 20, 25, 30, 40, 50, 60, 75, 80, 100, 125, 150, 175, 200, 250, 300, 400, 500, 600, 630, 750, 800, 1000, 1200, 1500, 1600, 2000, 2250, 2500, 3000, 3200, 4000, 5000.
CT Secondary	5A Fixed

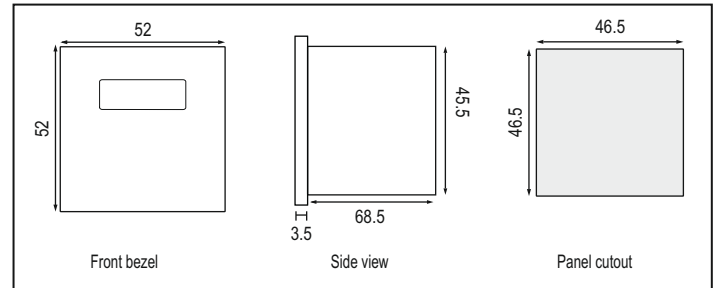
Environmental specifications

Operating temperature	-10°C to +55°C
Storage temperature	-25°C to +70°C
Relative humidity	95% RH
Pollution degree	2

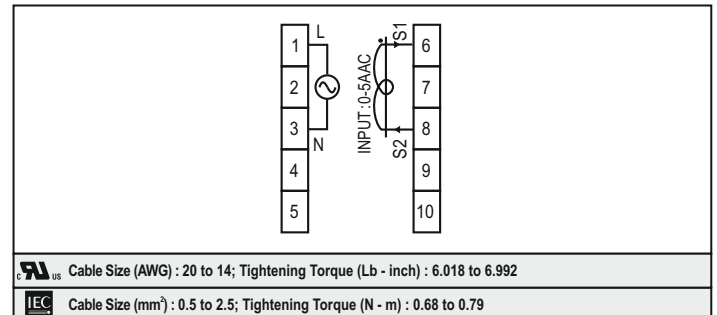
Mechanical specification

Mounting	Panel Mount
Bezel size	48 mm x 48 mm
Overall depth	70mm
Weight	113gms
Certification	CE, RoHS

Dimensions (All are in mm)



Terminal connections



Compliance

Applicable EMI / EMC Standards		
Product Standard : IEC 61326-1		
Category		
ESD Immunity	IEC 61000-4-2	± 2 kV common mode, ± 1 kV differential mode
Surge Immunity	IEC 61000-4-5	Level III, 80 to 1000MHz Level II, 1GHz to 2GHz Level I, 2GHz to 2.7GHz
Radiated Susceptibility	IEC 61000-4-3	Level II
Conducted Susceptibility	IEC 61000-4-6	Dips: 0% residual voltage/1 cycle IEC 61000-4-11 (Crit B.), 40% residual voltage/10 cycles 50 Hz / 12 cycles 60 Hz (Crit C) 70% residual voltage / 25 cycles 50 Hz / 30 cycles 60 Hz (Crit C) Interruptions: 0% residual voltage / 250 cycles 50 Hz / 300 cycles 60 Hz (Crit C)"
Voltage Dips and Interruption	IEC 61000-4-11	
Conducted Emissions	CISPR-11 & IEC 61000-6-3	
Radiated Emissions CISPR-11	CISPR-11	
Electrical Fast Transient	IEC 61000-4-4	Level 3

Ordering Information

Product Code	Supply Voltage	Certification
MA501	240V AC, ±20%	- - -
MA501-230V-CE	240V AC, ±20%	CE

**Note : CT Type - There is an internal CT with CT setting (5 - 5000A).
For current input >5A, external CT is required.**