MA302

Digital Ammeter



96 x 96mm

Features:

- True RMS Measurement
- CT Primary Programmable upto 4000A

Certifications: CE

Display Specifications

Display	Single row, 7 segment LED Display
Digits	4
Digit Height	0.56" (14.2mm)
Display Range	0-4960A

Input Specifications

Electrical Connection	1 Ø-2 wire
Input Type	AC
Input Current Range	50mA - 5A
Continuous Max. Input Rating	6.2A
Overrange Indication	"Or" for input > 6.2A
Frequency	50 / 60Hz
Resolution	0.001, 0.01, 0.1, 1A (Depending upon CT primary
Accuracy	±0.5% of CT primary / shunt setting
Input Burden	0.5 VA at 5 A
Sampling Rate	3 samples / second
Dielectric withstand Voltage	2kV AC between auxiliary supply & measuring input
Rated Impulse withstand Voltage	3.5kV (1.2/50µS)

Auxiliary Supply Specifications

Auxiliary Supply	240V AC ±20%, (50 / 60Hz)
	110V AC ±20%, (60Hz)
Power Consumption	5VA max

Settable Parameters

CT Primary / Shunt Setting	5,10, 20, 30, 40, 50, 60, 75, 80, 100, 150, 200, 250, 300,400, 500, 600, 800,
	1000,1200, 1500, 1600, 2000, 2500,
	3000, 4000
CT Secondary Setting	5A Fixed

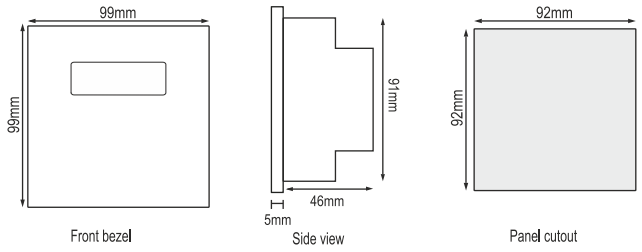
Environmental Specifications

Temperature	Operating: -10 to 55°C (32 to 122°F) Storage: -20 to 75°C (32 to 158°F)
Humidity (non-condensing)	Upto 95% RH

Mechanical Specifications

Mounting	Panel mount
Weight	180 gms

Dimensions



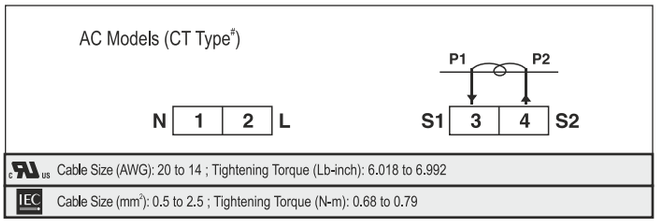
Compliance

Applicable EMI / EMC Standards

Product Standard : IEC 61326-1

Category		Standards Compliance
ESD Immunity	IEC 61000-4-2	Level IV (Air discharge : 15kV), (Contact Discharge : -8kV)
Surge Immunity	IEC 61000-4-5	+/- 2kV common mode, (Line to ground) +/- 1kV differential mode, (Line to Line)
Radiated Susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz (10V/m) Level II, 1.4GHz to 2GHz (3V/m) Level I, 2GHz to 2.7GHz (1V/m)
Conducted Susceptibility	IEC 61000-4-6	Level II (3V/m)
Voltage Dips and Interruptions	IEC 61000-4-11	**Dips** : 0% residual voltage / 1 cycle (Criteria B), 40% residual voltage / 10 cycles 50Hz / 12 cycles 60Hz (Criteria C) 70% residual voltage / 25 cycles 50Hz / 30 cycles 60Hz (Criteria C) **Interruptions** : 0% residual voltage / 250 cycles 50Hz / 300 cycles 60Hz (Criteria C)
Conducted Emission	CISPR-11	
Radiated Emission	CISPR-11	
Electrical Fast Transient	IEC 61000-4-4	Level III (2kV)

Terminal Connections



Ordering Information

Product Code	CT Type	Supply Voltage	Certification
		240V AC	
MA302	■	■	CE