

48 x 96mm

Features :

- Class 0.5 accuracy
- True RMS current measurement
- CT Programmable up to 4000A
- CE & RoHS Certified

Certifications :  

Technical specifications

Display	7 Segment LED display
Digits	4
Display height	0.56" (14.2mm)
Display update time	0-5760A
Resolution	0.001, 0.01, 0.1, 1A (Depending upon CT primary)
Electrical connection	1Ø-2 Wire
Input type	AC
Input current range	50mA-5A AC
Continuous max. input current	140% of rated current
Accuracy	±0.5% of F.S. (CT Primary/Shunt)
Frequency range	50/60Hz
Installation category	III
High voltage test	2kV AC, 50Hz
IP Protection	IP51 Front of display
Dielectric with stand voltage	2kV AC 1min
Rated impulse with stand voltage	3.5kV 1.2/50µs
Auxiliary supply	
Supply frequency	
Input burden	
Power consumption	
CT Primary setting	
CT Secondary setting	
Operating temperature	
Storage temperature	
Humidity	
Pollution	

Digital Ammeter

Mounting	Panel mount
Bezel size	48mm x 96mm
Overall depth	29.3mm
Weight	86gm

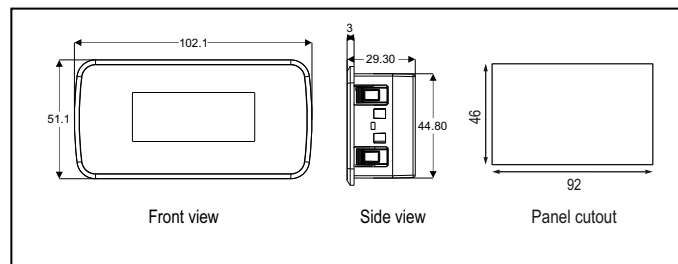
Terminal connections

AC Models (CT Type⁵) 	
AC Models (Direct Type⁵) 	
Cable Size (AWG): 20 to 14 ; Tightening Torque (Lb-inch): 6.018 to 6.992	
Cable Size (mm): 0.5 to 2.5 ; Tightening Torque (N-m): 0.68 to 0.79	

Standards compliance

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)

Dimensions (All are in mm)



Ordering information

Product code	Supply voltage	Certification
MA12	240V AC	---
MA12-CE	240V AC	CE
MA12-20A-AC	240V AC	---
MA12-75mV-DC	240V AC	---
MA12-110V-CU	110V AC	CE
MA12-50mV-DC-110V-CU	110V AC	CE
MA12-100mV-DC-110V-CU	110V AC	CE

Note :

- CT Type:** There is an internal CT with CT setting.
Above 5A(0-5A model) external CT is required.
- Direct type:** Input is directly connected to the input of the unit.