

MA12 Series (LED Ampere Meters)

FEATURES

- Measurement Function
 - 1 Ø Current (True RMS)
- Programmable CT Primary / Shunt Setting
- AC version (CT Type)
- DC version (Shunt Type, External Shunt (50mV/100mV) is required for measurement.)
- 4 Digit LED Display



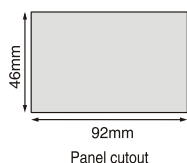
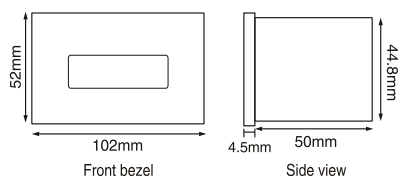
CAT. NO.

MA12-110V-CU

MA12-50mV-DC-110V-CU MA12-100mV-DC-110V-CU

Display	MA12-110V-CU	MA12-50mV-DC-110V-CU MA12-100mV-DC-110V-CU
Display Type	7 segment LED display	7 segment LED display
Digits	4 digits	4 digits
Bargraph	—	—
Display Range	0 - 4960A	0 - 4960A
Supply Specification	110 VAC +/-20% (60Hz)	110 VAC +/-20% (60Hz)
Input Specification		
Electrical Wire System	1 Phase (2 wire)	1 Phase (2 wire)
Measurement Type	AC, CT Type (External CT required for current > 5A)	DC, Shunt Type (External shunt is required for current > 5A)
Shunt Size	—	50mV (MA12-50mV) 100mV (MA12-100mV)
Input Current Range	50mA ~ 5A (External CT required for current >5A)	50mA ~ 5A (External shunt required for current >5A)
Frequency Range	45 ~ 65Hz	45 ~ 65Hz
Parameter Resolution		
Current	0.001, 0.01, 0.1, 1A (depending on CT Primary)	0.001, 0.01, 0.1, 1A (depending on shunt setting)
Sampling Rate	3 samples / sec.	3 samples / sec.
Accuracy Class		
Current	+/- 0.5% of Full-Scale Value	+/- 0.5% of Full-Scale Value
Output Specifications		
Pulse Output	—	—
Communication	—	—
Programmable 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	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	5A fixed (External CT must be connected for current >5A)	—
Environmental Specifications		
Temperature	Operating: -10°C~55°C, Storage: -20°C~ 75°C	Operating: -10°C~55°C, Storage: -20°C~ 75°C
Humidity	Up to 85% RH	Up to 85% RH
Protection Level	IP65 for Faceplate	IP65 for Faceplate
Physical Specifications		
Size	1/8 DIN, 48 mm x 96 mm	1/8 DIN, 48 mm x 96 mm
Weight	0.37 lbs (170g)	0.37 lbs (170g)
Terminal Size Acceptability and Torque	20-14 AWG (0.5 - 2.5mm²), 6-7 lb-in. (0.68 - 0.79Nm)	20-14 AWG (0.5 - 2.5mm²), 6-7 lb-in. (0.68 - 0.79Nm)

DIMENSIONS



MA12 Series

TERMINAL CONNECTIONS



MA12-110V-CU (CT Type)



MA12-mV-DC-110V-CU (Shunt Type)

230 VAC versions also available, please consult Altech.