

Features:

- 4 Digit, 7 segment LED Display
- True RMS Measurement
- For 1 Phase 2 Wire Electrical Network
- CT Primary Programmable upto 4000A

Certifications: **C** C C C LISTED

Display Specifications

Display 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 Current Range 50mA - 5A AC
Continuous Max. Input Current 6.2A AC

Overrange Indication "Or" for input > 6.2A AC

Frequency Range 50 - 60Hz

Resolution 0.001, 0.01, 0.1, 1A (Depending upon

CT primary

Accuracy ±0.5% of F.S (CT primary / shunt setting)

Input Burden 0.5 VA @ 5A AC
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 AC: 240V AC ±20%, (50 / 60Hz) 110V AC ±20%, (60Hz)

Supply Frequency 50 / 60Hz

Power Consumption 5VA max @ 240V AC

Mechanical Specifications

Mounting	Panel mount	
Weight	170 gms	

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 070% 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)					

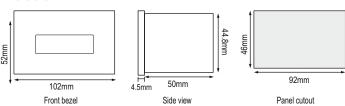
Settable Parameters

CT Primary 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

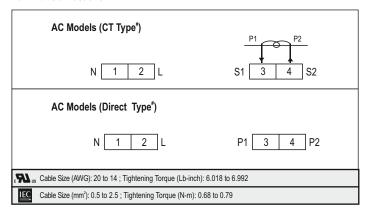
Temperature	Operating: -10 to +55°C (14 to 131°F)
	Storage: -20 to +75°C (-4 to 167°F)
Humidity (non-condensing)	Upto 95% RH

Dimensions



MA12 Ammeter - Digital

Terminal Connections



*NOTE

1) CT Type: There is an internal CT with CT setting. Above 5A(0-5A model) external CT is required.

2) Direct Type: Input is directly connected to the input of the unit.

Ordering Information

Product Code	Supply Voltage		Certification	
	240V AC	110V AC	C€	CUDUS LISTED
MA12	•			
MA12-CE	-		-	
MA12-110V		-		
MA12-20A-AC	-			

Note:

- 1) CT Type: There is an internal CT with CT setting (5-4000A). For current input >5A, external CT is required.
- 2) Direct Type: Input is directly connected to the unit.