

72 x 72mm

Features:

- Analog style bargraph indication
- True RMS measurement
- CT primary programable up to 5000A
- For 3 phase 4 wire electrical connection
- · Page selection using selector switch



Display Specifications

Single row, Liquid Crystal Display Display

Digits 4

Digit Height 0.56" (14.2mm) 0 - 6200A Display Range

Bargraph Analog style bargraph indication

Input Specifications

Electrical Connection 3Ø-4 wire Input Type AC Input Current Range 50mA - 5A Continuous Max, Input Rating 6.2A

Overrange Indication "Or" for input > 6.2A

50 / 60Hz Frequency Resolution 0.001, 0.01, 0.1, 1A

(Depending upon CT Primary Setting)

Accuracy ±0.5% of CT Primary Setting Burden 0.5 VA per phase at 5 A Sampling Rate 3 samples / second

Dielectric withstand Voltage 2kV AC between auxiliary supply &

measuring input

Rated Impulse withstand Voltage 2kV (1.2/50µS)

Auxiliary Supply Specifications

240V AC ±20%, (50 / 60Hz) **Auxiliary Supply** 110V AC ±20%, (60Hz) 12VA max **Power Consumption**

Settable Parameters

CT Primary Settings 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 Settings 5A Fixed

Environmental Specifications

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

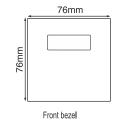
Mechanical Specifications

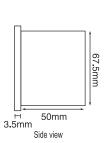
Mounting	Panel mount
Weight	163 gms

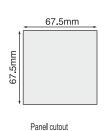
Compliance

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 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

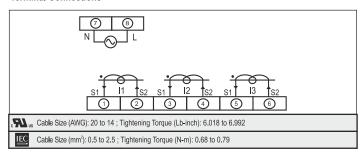






MA2301 Ammeter - Digital

Terminal Connections



Ordering Information

Part No.	Supply Voltage		Certification	
	110V AC	240V AC	C€	cUL us LISTED
MA2301		-		
MA2301-230V-CE			•	
MA2301-110V-CU	-		-	-

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

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