

Features:

- ► True RMS measurememnt
- Analog style bar graph for current representation
- ▶ CT primary programmable up to 5000A
- Selector switch for page selection
- ▶ CE & RoHS certified

Certifications : C € CULUS LISTED

Technical specifications

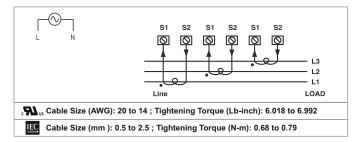
Display specifications		
Display	7 Segment LCD	
Digits	4	
Digit height	0.56" (14.2mm)	
Display range	0-6200A	
Resolution	0.001, 0.01, 0.1, 1A (Depending upon CT primary)	
Input specifications		
Electrical connection	3Ø-4 Wire	
Input type	AC	
Rated input current	5A AC	
Input current range	Min- 50mA- 6.2A AC	
Continuous max input rating	120% of rated current	
Accuracy	±0.5 % of F.S.	
Frequency range	50/60Hz	
Electrical specification		
Installation category		
High voltage test	2kV AC, 50Hz	
IP protection	IP51 front only	
Sampling rate	3 samples/second	
Dielectric withstand voltage	2kV AC between auxiliary supply & measuring input	
Rated impulse withstand voltage	2kV (1.2/50µS)	
Selectable 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, 1200, 1500, 1600, 2000, 2250, 2500, 3000, 3200, 4000, 5000	
CT secondary setting	5A fixed	
Environment specifications		
Operating temp.	-10°C to +55°C (14°F to 131°F)	
Storage temp.	-20°C to +75°C (-4°F to 167°F)	
Humidity (Non-condensing)	95% RH	
Pollution degree	2	
Altitude	Upto 2000 meters	
Measurement category	CAT III	



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Auxiliary specifications			
Auxiliary supply	AC: 240V AC ±20%, (50/60Hz), 110V AC ±20%, (60Hz)		
Supply frequency	50/60Hz		
Input burden	0.5VA@5A AC		
Power consumption	5VA max		
Mechanical specifications			
Mounting	Panel mounting		
Bezel size	72mm x 72mm		
Overall depth	50mm		
Weight	163gm		
Torque at terminals	0.68 N-m to 0.79 N-m		
Torque at terminals	20 to 14 AWG;75°C		
Mounting position	Vertical		

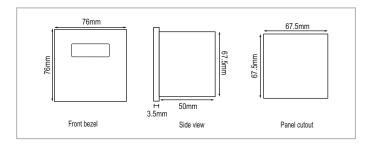
Terminal connections



Standards compliance

Applicable EMI / EMC Standards						
Product standard : IEC 61326 - 1						
Category	Standards complian					
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	Dips: 0% Residual voltag 1 Cycle (Criteria B), 40% Residual voltage / 10 Cycl 50Hz / 12 Cycles 60Hz (Criteria C), 70% Residua voltage / 25 Cycles 50Hz 30 Cycles 60Hz (Criteria C) Interruptions: 0% Residu voltage / 250 Cycles 50Hz 300 Cycles 60Hz (Criteria					
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
MA2301-110V-CU	110V AC	C€ cULus
MA2301-230V-CE	240V AC	C€



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