



72 x 72mm

Features :

- Class 0.5 accuracy
- True RMS current measurement
- Available in LED display
- CT programmable up to 4000A
- CE & RoHS certified

Certifications :

Display specifications

| | |
|---------------|---|
| Display | 7 segment LED Display |
| Digits | 4 |
| Digit height | 0.56" (14.2mm) |
| Display range | 0 - 4960A |
| Resolution | 0.001, 0.01, 0.1, 1A (Depending upon CT primary) |

Input specifications

| | |
|-------------------------------|-----------------------|
| Electrical connection | 1 Ø-2 wire |
| Input type | AC |
| Input current range | 50mA - 5A AC |
| Continuous max. input current | 120% of rated current |
| Accuracy | ±0.5% of F.S |
| Overrange indication | >6.2A |
| Frequency range | 50 / 60Hz |

Electrical specification

| | |
|---------------------------------|---|
| Installation category | III |
| 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 | 3.5kV (1.2/50µS) |

Auxiliary supply specifications

| | |
|-------------------|--|
| Auxiliary supply | AC: 240V AC ±20%, (50 / 60Hz) 110V AC ±20% , (60Hz) |
| Supply frequency | 50 / 60Hz |
| Input burden | 0.5 VA @ 5AAC |
| Power consumption | 5VA max @ 240V AC |

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 (Via tact switch) |
| CT Secondary setting | 5A fixed |

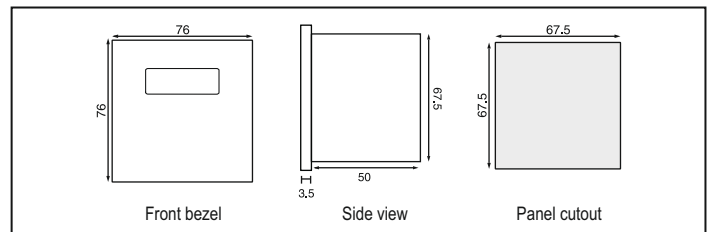
Environmental specifications

| | |
|---------------------------|--------------------------------|
| Operating temperature | -10°C to +55°C (14°F to 131°F) |
| Storage temperature | -20°C to +75°C (-4°F to 167°F) |
| Humidity (non-condensing) | Upto 95% RH |
| Pollution degree | 2 |

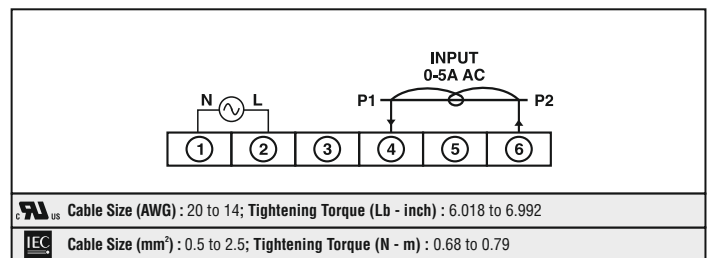
Mechanical specifications

| | |
|---------------|---------------|
| Mounting | Panel mount |
| Bezel size | 72 mm x 72 mm |
| Overall depth | 50 mm |
| Weight | 180 gms |

Dimensions (All are in mm)





Terminal connections



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) |

Ordering Information

| Product Code | Supply Voltage | Certification |
|---------------|----------------|--|
| MA202 | 240V AC | --- |
| MA202-CE | 240V AC | CE |
| MA202-CU | 240V AC | CE  |
| MA202-110V | 110V AC | --- |
| MA202-110V-CU | 110V AC | CE  |

Note : CT Type - There is an internal CT with CT setting (5 - 4000A)
For current input >5A, external CT is required