



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

Certifications:

**Display Specifications**

|               |                                    |
|---------------|------------------------------------|
| Display       | Single row, Liquid Crystal Display |
| Digits        | 4                                  |
| Digit Height  | 0.56" (14.2mm)                     |
| Display Range | 0 – 6200A                          |
| 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                                       |
| Frequency                       | 50 / 60Hz   |
| Resolution                      | 0.001, 0.01, 0.1, 1A<br>(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**

|                   |  |
|-------------------|--|
| Auxiliary Supply  | 240V AC ±20%, (50 / 60Hz)<br>110V AC ±20%, ( 60Hz) |
| Power Consumption | 12VA max   |

**Settable Parameters**

|                       |   |
|-----------------------|---|
| CT Primary Settings   | 5, 10, 15, 20, 25, 30, 40, 50, 60, 75,<br>80, 100, 125, 150, 175, 200, 250, 300,<br>400, 500, 600, 630, 750, 800, 1000,<br>1200, 1500, 1600, 2000, 2250, 2500,<br>3000, 3200, 4000, 5000. |
| CT Secondary Settings | 5A Fixed  |

**Environmental Specifications**

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

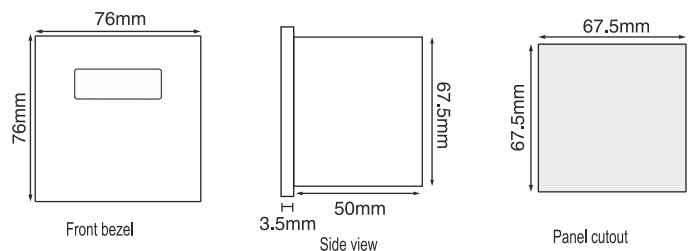
**Mechanical Specifications**

|          |             |
|----------|-------------|
| Mounting | Panel mount |
| Weight   | 163 gms     |

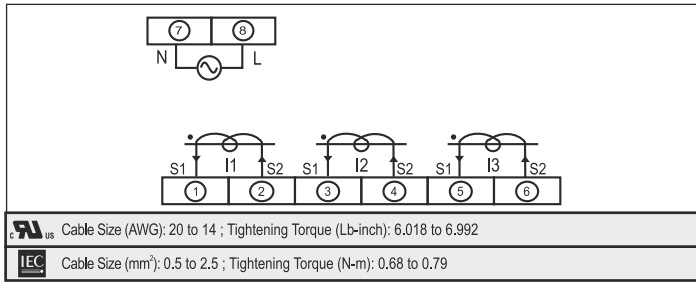
**Compliance**

| Applicable EMI / EMC Standards |                |  |
|--------------------------------|----------------|--|
| Product Standard : IEC 61326-1 |                |  |
| Category                       |                | Standards Compliance   |
| ESD Immunity                   | IEC 61000-4-2  | Level IV (Air discharge : 15kV),<br>(Contact Discharge : -8kV)   |
| Surge Immunity                 | IEC 61000-4-5  | +/- 2kV common mode, (Line to ground)<br>+/- 1kV differential mode, (Line to Line)   |
| Radiated Susceptibility        | IEC 61000-4-3  | Level III, 80 to 1000MHz (10V/m)<br>Level II, 1.4GHz to 2GHz (3V/m)<br>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 | <b>Dips</b> : 0% residual voltage /<br>1 cycle (Criteria B), 40% residual voltage /<br>10 cycles 50Hz / 12 cycles 60Hz (Criteria C)<br>70% residual voltage / 25 cycles<br>50Hz / 30 cycles 60Hz (Criteria C)<br><b>Interruptions</b> : 0% residual voltage /<br>250 cycles 50Hz / 300 cycles 60Hz<br>(Criteria C) |
| Conducted Emission             | CISPR-11       |  |
| Radiated Emission              | CISPR-11       |  |
| Electrical Fast Transient      | IEC 61000-4-4  | Level III (2kV)  |

**Dimensions**



Terminal Connections



Ordering Information

| Part No.       | Supply Voltage |         | Certification |           |
|----------------|----------------|---------|---------------|-----------|
|                | 110V AC        | 240V AC | CE            | UL 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.