



72 x 72mm

**Features :**

- True RMS measurement
- Analog style bar graph for voltage representation
- Selector switch for page selection
- CE & RoHS certified

Certifications :

**Display Specifications**

|               |                       |
|---------------|-----------------------|
| Display       | 7 segment LCD Display |
| Digits        | 3                     |
| Digit Height  | 0.56" (14.2mm)        |
| Display range | 0 – 516V              |
| Resolution    | 1V                    |

**Input Specifications**

|                               |                          |
|-------------------------------|--------------------------|
| Electrical Connection         | 3 Ø- 3 wire, 3 Ø- 4 wire |
| Input Type                    | AC                       |
| Input Current Range           | 50 to 480V               |
| Continuous Max. Input Current | 516V                     |
| Accuracy                      | ±0.5% of F.S.            |
| 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 | 2kV (1.2/50µS)                                    |

**Auxiliary Supply Specifications**

|                   |                                |
|-------------------|--------------------------------|
| Auxiliary Supply  | AC: 240V AC ±20% , (50 / 60Hz) |
| Supply Frequency  | 50 / 60Hz                      |
| Input Burden      | 0.5 VA @ 5AAC                  |
| Power Consumption | 5VA max                        |

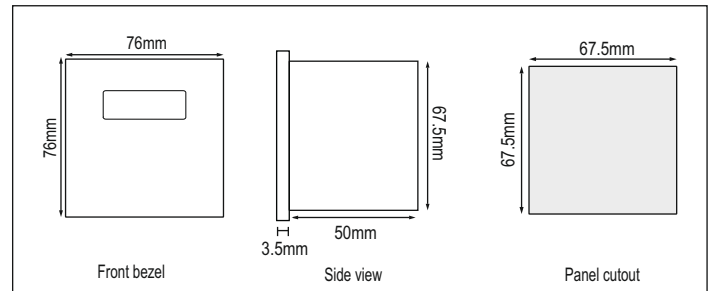
**Environmental Specifications**

|                           |                                |
|---------------------------|--------------------------------|
| 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                              |
| Altitude                  | Upto 2000 meters               |
| Measurement Category      | CAT III                        |

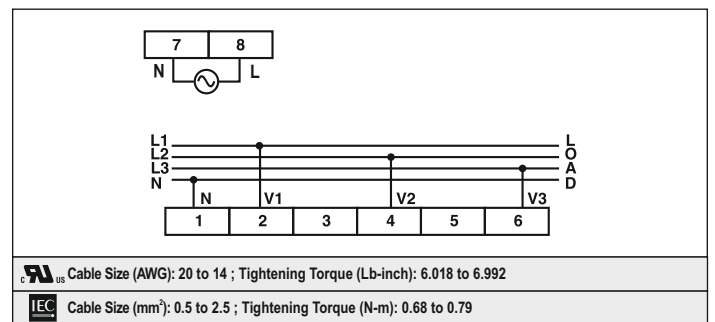
**Mechanical Specifications**

|                         |                      |
|-------------------------|----------------------|
| Mounting                | Panel mount          |
| Bezel size              | 72 mm x 72 mm        |
| Overall depth           | 50 mm                |
| Weight                  | 206 gms              |
| Torque at terminals     | 0.68 N-m to 0.79 N-m |
| Wire Gauge at terminals | 20 to 14 AWG;75°C    |
| Mounting position       | Vertical             |

**Dimensions**



**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),<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)  |

## Ordering Information

| Product Code   | Supply Voltage | Certification |
|----------------|----------------|---------------|
| MV2307         | 240V AC        | ■             |
| MV2307-230V-CE | 240V AC        | CE            |