



**Features:**

- Class 0.5 accuracy
- True RMS voltage measurement
- Available in LED display
- CE & RoHS certified

Certifications :  

Display Specifications

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

Input Specifications

| | |
|------------------------------|-----------------------|
| Electrical Connection | 1Ø - 2 wire |
| Input Type | AC / DC |
| Input Voltage Range | 50 - 480V |
| Continuous Max. Input Rating | 516V |
| Accuracy | ±0.5% of F.S |
| Overrange Indication | "Or" for input > 516V |
| 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

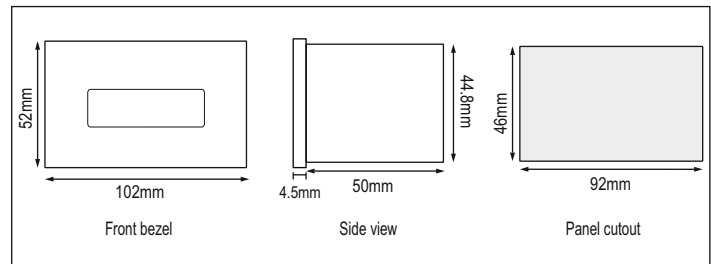
| | |
|-------------------|---------------------------------------------------------|
| Auxiliary Supply | AC: 240V AC ±20% , (50 / 60Hz) 110V AC ±20% , (60Hz) |
| Supply Frequency | 50 / 60Hz |
| Input Burden | 0.5 VA @ 5A AC |
| Power Consumption | 5VA max @ 240V AC |





Environmental Specifications

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|---------------------------|--------------------------------|
| 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) | Up to 95% RH |
| Pollution degree | 2 |

Mechanical Specifications

| | |
|---------------|---------------|
| Mounting | Panel mount |
| Bezel size | 48 mm x 96 mm |
| Overall depth | 50 mm |
| Weight | 170 gms |




Dimensions**Terminal Connections**

| |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AC Models  |
| DC Models  |
|  Cable Size (AWG): 20 to 14 ; Tightening Torque (Lb-inch): 6.018 to 6.992 |
|  Cable Size (mm ²): 0.5 to 2.5 ; Tightening Torque (N-m): 0.68 to 0.79 |

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 |
|----------------------|----------------|----------------------------------------------------------------------------------------|
| MV15 | 230V AC | -- |
| MV15-230V-CE | 230V AC | CE |
| MV15-CU | 230V AC | CE  |
| MV15-DC-200V-110V-CU | 110V AC | CE  |
| MV15-110V-CU | 110V AC | CE  |