



Features:

- True RMS Measurement
- 1 Ø 2 Wire Electrical Network

Certifications :

Display Specifications

Display	Single row, 7 segment LED Display
Digits	3 Digit
Digit Height	0.56" (14.2mm)
Display Range	0 - 516V

Input Specifications

Electrical Connection	1 Ø-2 wire
Input Type	AC
Input Voltage Range	50-480V AC
Continuous Max. Input Rating	516V
Overrange Indication	"Or" for input > 516V
Frequency	50 / 60Hz
Resolution	1V
Accuracy	±0.5% of F.S
Input Impedance	1MΩ (± 5%)
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	240V AC ± 20%, (50 / 60Hz) 110V AC ± 20%, (60Hz)
Power Consumption	5VA max

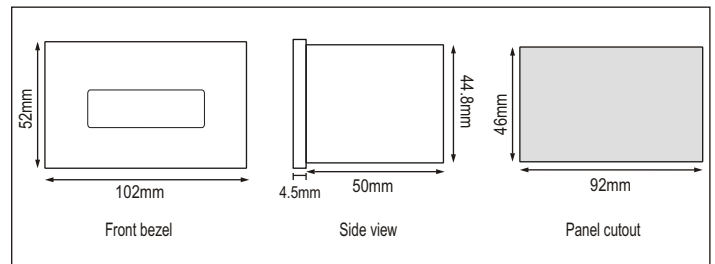
Environmental Specifications

Temperature	Operating: -10 to +55°C Storage: -20 to +75°C
Humidity (non-condensing)	Up to 95% RH

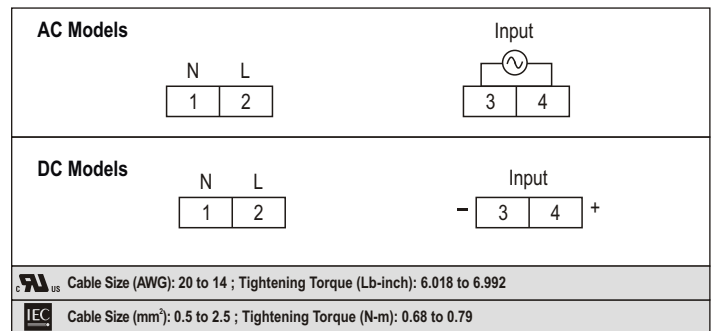
Mechanical Specifications

Mounting	Panel mount
Weight	170 gms

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), (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-CE	230V AC	CE
MV15-110V-CU	110V AC	CE 