



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
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

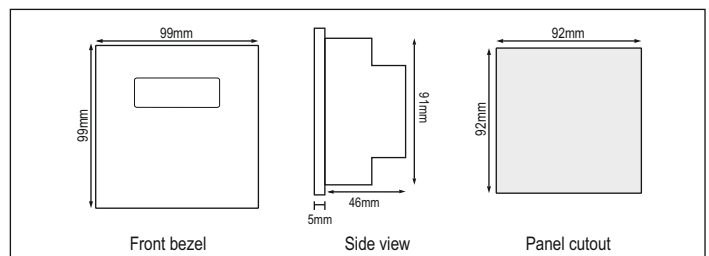
Environmental Specifications

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

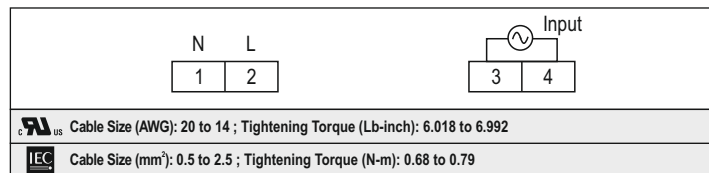
Mechanical Specifications

Mounting	Panel mount
Bezel size	96 mm x 96 mm
Overall depth	50 mm
Weight	180 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
MV305	230V AC	---
MV305-CE	230V AC	
MV305-110V-CU	110V AC	