



Features:

- 3 Digit, 7 segment LED Display
- True RMS Measurement
- For 1 Phase 2 Wire Electrical Network
- IP Protection (Front) : IP65

Size: 48mm x 96mm (1/8 DIN)

Certifications: CE  LISTED

Technical Specifications

Display

Display	Single row, 7 segment LED Display
Digit	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
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)

Supply Specifications

Auxiliary Supply	AC: 240V AC ±20%, (50 / 60Hz) 110V AC ±20%, (50 / 60Hz)
Power Consumption	5VA max

Environmental Specifications

Temperature	Operating: -10 to +55°C (14 to 131°F) Storage: -20 to +75°C (-4 to 167°F)
Humidity (non-condensing)	Up to 85% RH

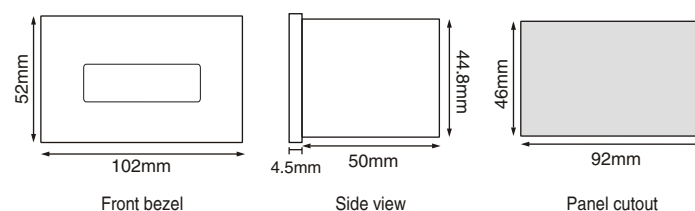
Mechanical Specifications

Mounting	Panel mount
Weight	170 gms (0.374 lbs)
Protection Level	IP65 for faceplate

EMC

Electromagnetic compatibility	IEC 61326-1
ESD Immunity: IEC 61000-4-2	Level III
Surge Immunity: IEC 61000-4-5	+/- 2 kV common mode, +/- 1 kV differential mode
Radiated Susceptibility: IEC 61000-4-3	Level III, 80 to 1000MHz Level II, 1GHz to 2GHz Level I, 2GHz to 2.7GHz
Conducted Susceptibility: IEC 61000-4-6	Level II
Voltage Dips and Interruption: IEC 61000-4-11	Dips: 0% residual voltage/1 cycle (Crit B.), 40% residual voltage/10 cycles 50 Hz / 12 cycles 60 Hz (Crit C) 70% residual voltage / 25 cycles 50 Hz / 30 cycles 60 Hz (Crit C) Interruptions: 0% residual voltage / 250 cycles 50 Hz / 300 cycles 60 Hz (Crit C)
Conducted Emissions	CISPR-11 & IEC 61000-6-3
Radiated Emissions	CISPR-11
Electrical Fast Transient: IEC 61000-4-4	Level 3.

Dimensions



Terminal Connections

AC Models 	
DC Models 	
 Cable Size (AWG): 20 to 14 ; Tightening Torque (Lb-inch): 6.018 to 6.992	
 Cable Size (mm²): 0.5 to 2.5 ; Tightening Torque (N-m): 0.68 to 0.79	

Ordering Information

Part No.	Supply Voltage		Certification		
	240V AC	110V AC	CE	RoHS	RoHS
MV15	■				
MV15-CE	■		■		■
MV15-230V-CE	■		■		■
MV15-AC-20/200V	■				
MV15-AC-200/2000mV	■		■	■	
MV15-DC-2V	■				
MV15-DC-20V	■				
MV15-DC-20V-110V-CU		■	■	■	■
MV15-DC-200V	■				
MV15-DC-200V-110V		■			
MV15-DC-200V-110V-CU		■	■	■	■
MV15-DC-200mV	■				