



1/8 DIN
48mm x 96mm

FEATURES

- 3 / 4 Digit, 7 segment LED
- Wide Range
- Available in 240V AC/DC & 24V AC/DC (On Request)

ORDERING INFORMATION

Part No.	Display Range	Input Range	Measurement Range	Overrange Indication	Resolution	Continuous Max. Input Rating
AC						
MV15-110V	0 – 516V	50-480V	0 – 516V	Input > 516V	1	516V
MV15-AC-20/200V-110V	0 – 19.99/199.9V	0 – 20/200V	0 – 199.9V	Input > 199.9V	0.01 / 0.1	19.99/199.9V
MV15-AC-200/2000mV-110V	0 – 199.9/1999mV	0 – 200/2000mV	0 – 1999mV	Input > 1999mV	0.01 / 0.1	199.9/1999mV
DC						
MV15-DC-20V-110V	0 – 19.99V	0 – 20V	0 – 19.99V	Input > 19.99V	0.01	19.99V
MV15-DC-200V-110V	0 – 199.9V	0 – 200V	0 – 199.9V	Input > 199.9V	0.1	199.9V
MV15-DC-200mV-110V	0 – 199.9mV	0 – 200mV	0 – 199.9mV	Input > 199.9mV	0.1	199.9mV
MV15-DC-2000mV-110V	0 – 1999mV	0 – 2000mV	0 – 1999mV	Input > 1999mV	0.1	1999mV

TERMINAL CONNECTIONS

AC Models

N 1 2 L 3 4

DC Models

N 1 2 L - 3 4 +

UL Cable Size (AWG): 13 ; Stud Hole for Lug (inch): 0.137 ; Tightening Torque (Lb-inch): 4.5

IEC Cable Size (mm²): 2.5 ; Stud Hole for Lug (mm): 3.5 ; Tightening Torque (N-m): 0.5

TECHNICAL SPECIFICATIONS

INPUT SPECIFICATIONS

Accuracy **AC:** 0.5 class
 DC: 0.1 class ±2digits

Method True RMS

FUNCTIONAL SPECIFICATIONS

Measuring Element Drop 0.23W at 480V AC input

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)

GENERAL SPECIFICATIONS

Supply Voltage **AC:** 110V AC (50 / 60Hz) ±20%
 DC: 110V AC (50 / 60Hz) ±10%
Available on request:
 240V AC (50 / 60Hz) ±20%
 24V AC

Power Consumption 3VA max

Temperature Operating: 0 to 50°C (32 to 122°F)
 Storage: 0 to 70°C (32 to 158°F)

Humidity (non-condensing) 95% RH

Weight 170 g (0.374 lbs)

DIMENSIONS

Front 102mm

52mm

Side

44.8mm

4.5mm 50mm

Panel Cutout

46mm

92mm

All dimensions are in mm (to convert to inches, multiply by 0.03937)