MV507





Features:

- Single row, 3 digit
- Analog style bargraph indication
- . True RMS measurement
- For 1 phase 2 wire electrical connection





Display Specifications

Display Single row, Liquid Crystal Display

Digits

Digit Height 0.56" (14.2mm) Display Range 5 to 516V

Bargraph Analog style bargraph indication

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

50 / 60Hz Frequency Resolution 1V

 $\pm 0.5\%$ of F.S Accuracy Input Impedance $1M\Omega (\pm 5\%)$ Sampling Rate 3 samples / second

Dielectric withstand Voltage 2kV AC between auxiliary supply &

measuring input

Rated Impulse withstand Voltage 2kV (1.2/50µS)

Auxiliary Supply Specifications

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

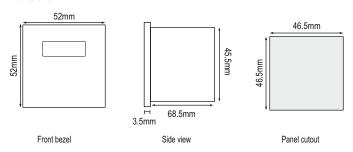
Environmental Specifications

Temperature	Operating: -10 to +55°C (14 to 131°F)
	Storage: -20 to +75°C (-4 to 167°F)
Humidity (non-condensing)	Upto 95% RH

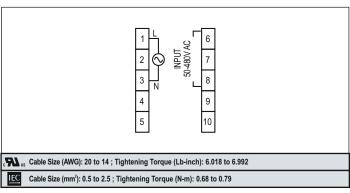
Mechanical Specifications

Mounting	Panel mount
Weight	165g

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

Part No.	Supply Voltage		Certification	
	110V AC	240V AC	C€	cUL)us LISTED
MV507		-		
MV507-CU		•	•	-
MV507-110V	-			
MV507-110V-CU	-		-	-

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