מצג בקרה בע"מ
Email: psk@psk.cc Website: www.pskh.co.il
טל. 03-5596602, פקס. 03-5583726, 03-5596211
המרכבה 25, ת.ד. 5162, חולון 58151

Psk Controllers Ltd

MOD - 7S12A

TRUE-RMS - 3½ DIGITS AMMETER

The MOD-7S12A is an advance, loe cost True -RMS ammeter which computes the true - root - mean - square value of complex signals. AC coupling allows the measurement of the component (or ripple) from a signal with both AC and DC componets. DC coupling allows the measurement of total rms or "heating value" including DC and AC components to over 30kHz. Maximum crest factor (Ap/Arms) is 3:1. Screw terminal allow the selection of AC/DC coupling. True -RMS ammeter are especially useful in monitoring voltage supply to motors or heaters cotrolled by SCR or Triac circuit. For AC currents over 5a and isolate the meter to avoid common mode problems.The current transformer specified by turns ratio such as 200:5.

General specifications

DISPLAY: 3½ digit LED 0.56" (14.2 mm) high brightness.
POWER: wide range power supply options
(refer to ordering information)
Accuracy: ±0.1% of reading ±1 digit at 25ºC
Stability: ±50ppm / ºC
Conform to standards: IEC 61010-1 Safety requirements
For measurement, control, and laboratory use, part 1.

CONNECTION:
silver alloy pluggable terminal Shrouded to prevent human contact.
Terminal: acc IEC 60947-7-1, IEC 60998-1
Terminal Capacity: 1x4mm without multicore cable end
1x0.5 to 2.5mm with/without multicore cable end.

MECHANICAL
Self-extinguishing plastic housing, IP40 acc IEC 529

Mounted:	front panel
IP rating:	IP20 acc IEC 529
Terminal block:	4mm² 12AWG 250VAC
Box measures:	96x48 mm

AMBIEN CONDITIONS

Operation temperature	-20˚C ... +55˚C
Storage temperature	-25˚C ... +70˚C
Transport temperature	-25˚C ... +70˚C
Relative humidity	15% ... 85% acc IEC 68-2-6
Vibration resistance	10 to 55 Hz (acc to IEC 68-2-6)
Wight:	348 gr

Technical Data

±1999 (3½) count foul scale
Law power requirement
Wide range power supply potion
Input voltage protection
Decimal point selected
Accuracies are specified at 25˚C
Power consumption: 2.3 VA
Stability w/Temp ±50ppm/˚C
Span up to 2000 counts
Measuring Rate: 3 s/min

Range

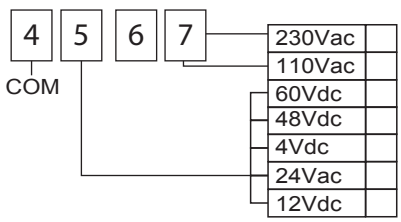
Order Code	Measuring voltage ragne	Resolution	Input impedance	Basic accuracy
MOD-7S8DC-R1	±1.999ADC	1µA	200mV	±0.25% of reading ±2 digit at 25˚C
MOD-7S8DC-R2	±19.99ADC	10µA	200mV	
MOD-7S8DC-R3	±199.9ADC	100µA	200mV	
MOD-7S8DC-R4	±1.999ADC	1mA	200mV	
MOD-7S8DC-R5	±9.99ADC	10mA	100mV	

Ordering information

MOD 7S12A – R – V

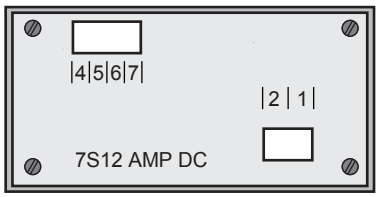
R1	60VDC
R2	48VCD
R3	24VDC
R4	12VDC
R5	
	230VAC
	110VAC
	24VAC

Power Connection

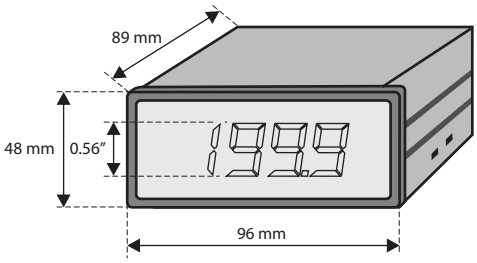


Dimensions

BACK



FRONT



PANEL CUTOUT