



PM2000

DIGITAL PANEL METER

- Current, Voltage, RTD & T/C Input
- 4 Digit Display
- High Accuracy
- Optional Dual Alarm Relays
- Optional 4-20mA Retransmission
- 24Vdc or 110Vac or 240Vac Models



Description

The PM2000 digital panel meter is a family of meters designed to display voltage and current signals, or 3 and 4 wire RTD, or 7 different types of thermocouples in engineering units. It is a microprocessor based instrument and is consequently easy to use. Each PM2000 has a display brightness control and min and max hold already included in the internal software.

There are also several options that can be included in a PM2000: Dual Alarms, Analogue output (4-20mA), Transducer power supply, transmitter power supply, Internal Calibrator, Root Extractor, Tare Function (for weighing applications).

The PM2000 has been designed for reliability in harsh environments. The front of the panel meter is rated with an ingress protection of IP65. The programming buttons on the front of the PM2000s are sealed membrane type allowing the unit to be kept clean by hosing or wiping down.

Inputs

Voltage Ranges:
0-100mV, 0-200mV, 0-500mV
0-1V, 0-2V, 0-5V, 1-5V, 0-10V

Current Ranges:
0-20mA, 4-20mA, 0-50mA, 10-50mA, 0-0.5A, 0-1A,
0-2A

RTD Inputs:
3 or 4 Wire -200.0 to +850 °C

Thermocouple Inputs:
Types E,J,K,N,R,T or Pallaplat

Optional Outputs

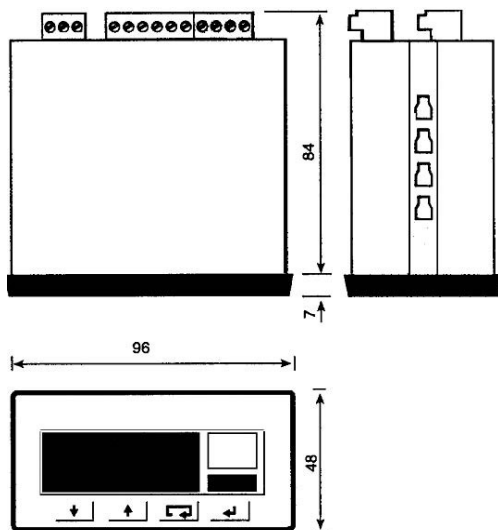
Analogue Output 4-20mA into 500Ω max

Dual Alarm Contacts:
SPCO Relay, 250V @ 5A ac and 30V @ 5A dc



Performance Characteristics

Parameter	Min	Typ	Max	Comments
Supply Voltage	10	24Vdc	35	99-132Vac or 198-264Vac 50/60Hz
Supply Power			4W	
Voltage Input Impedance		>1M Ω		
Current Input Impedance		<10 Ω		
Accuracy		0.05%		0.1% for RTD or Thermocouple
Accuracy		$\pm 1/2$ digit		
Operating Ambient	0°C		55°C	
Relative Humidity	0%		90%	
Notes	Absolute maximum ratings indicate sustained limits beyond which damage to the device may occur.			



Installation Data

Mounting	Panel Mounting
Orientation	Any
Connections	Screw Clamp with pressure plate
Conductor size	0.5-4.0mm
Insulation Stripping	12mm
Weight	Approx 450g

Connection Details

Please refer to the operating manual for your PM2000 or contact us for more information.

Ordering Information

Please supply:

Part Number:	PM2000
Input Type:	Volt, mA, RTD, T/C
Input Range:	e.g. 0-10, 0-500°C
Power Supply:	DC, 110Vac, 230Vac

Output Option:	Yes / No
Alarm Output Option:	Yes / No
Transmitter Supply:	Yes / No