

UNIVERSAL INPUT DIGITAL MINI PROCESS METER WITH ANALOG OUTPUT

DC Powered Miniature Digital LED Universal Readout/Amplifier

FEATURES

- Accepts thermocouple, RTD, Ω , mV, Volt, or mA input
- Visible high alarm LED + Relay output
- °F/°C selectable or scalable Engineering units
- Screw terminal connection
- Process value Peak-Hold capture function
- 4 to 20 mA Analog retransmitting output



OVERVIEW

This light weight Universal input process meter is perfect for most any process measurement application. The four digit bright red LED display is easy to read, even at a distance.

The meter has a single user-selectable HI (or LO) alarm set point, configured through the front panel push buttons. During an alarm condition a front panel annunciator LED is enabled & an internal 1 Amp relay contact is engaged. A one touch button places the meter display in Peak-Hold condition. Retransmit temperature reading to a data logger using the analog output function.

Compact package, the faceplate is only 1" tall & 2" wide.

SPECIFICATIONS

Number of Inputs:	1
Display Range:	-1999 to +9999
LED Display:	Red, 4-digit, 0.275 inch (7 mm high)
LED Display Update Rate:	0.5 second
Microprocessor Sampling Rate:	4 samples/second
Microprocessor A/D Resolution:	16 bit
Accuracy:	+/- 0.2% FS +/- 1 unit
Environment:	0 to 50C, 85% Max. RH (non-condensing)
Operating Temperature:	+32 to +125°F (0 to +50°C)
Front Bezel Rating:	IP51
Power:	16 ~ 30 VDC (9 ~ 16 VDC upon special request)
Current Draw:	< 100 mA @ 24 VDC
Alarm Relay Contact Rating:	1A @ 30VDC
Analog Retransmission Output:	0-20mA, 4-20mA (0-5VDC, 1-5VDC w/ included 250 Ω resistor)
Case Dimensions:	Height: 1 inch (24 mm) Width: 2 inch (48 mm) Depth: 3 inch (75 mm)
Panel Cutout Dimensions:	0.87" H x 1.77" W (22 x 45 mm) (1/32 DIN)
Weight:	2.1 ounces



Rear Screw terminal connections

INPUT TABLE (USER SELECTABLE)

Input Type Options	Range Settings
Thermocouple	K, T, J, R, B, S, E
RTD	PT100, Cu50
Resistance	0-375 ohms
mV (DC)	0-30 mV
Volts (DC)	0-5V, 1-5V, 0-10V
mA (DC)	0-10 mA, 0-20 mA, 4-20 mA

ORDERING INFORMATION

Part Number	Note
PMD1XT-RD-012-A	9 ~ 16 VDC powered
PMD1XT-RD-024-A	16 ~ 30 VDC powered

