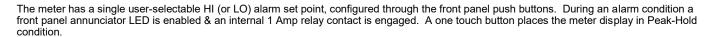# Universal Input Digital Miniature Process Meter

DC Powered Miniature Digital LED Universal Readout

- **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**
- **Small Size, 1/32 DIN**

Description

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.

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

General 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:	9 ~ 16 VDC or 16 ~ 30 VDC
Current Draw:	< 100 mA @ 24 VDC
Alarm Relay Contact Rating:	1A @ 30VDC
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

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-012-0	9 ~ 16 VDC powered
PMD1XT-RD-024-0	16 ~ 30 VDC powered

Rear Screw terminal connections