

PMD3XT Series Digital Panel Meter Display

Single-Point Programmable Digital Panel Meter Display

- Accepts one input channel
- Full 5-digit, bright LED display
- User programmable via front panel keypad
- NEMA-4X (IP65) when panel mounted (1/8 DIN cutout)
- Options: Dual alarms, Analog Output, RS-232



Description

The PMD3XT series panel meter display is an ideal solution for industrial and laboratory applications. This high performance display is exceptionally flexible and affordable.

The 0.56" (14 mm) tall bright LED display is easy to read, even at a distance. The housing is a 1/8 DIN size panel-mount durable plastic polycarbonate case. All power and signal connections are convenient removable screw-clamp type connectors. Setup and scaling is intuitive using the front panel keypad.

Available options include Dual Alarm Contact Relays (8 Amp), Isolated Analog Output (0 to 10 VDC or 4 to 20 mA), and RS-232 Serial Communications.

The internal micro processor A/D sample rate is a fast 60 samples per second, with an accuracy of 0.01%. The LED display update rate is 3.5 times per second.



Specifications

Input type:

DC 200 mV, 2 V, 20 V, 200 V, 0 to 20 mA, 4 to 20 mA
 Thermocouple E, J, K, N, R, S, T
 RTD PT100, CU10, NI120 (2, 3 or 4 wire)
 Ohms 0 to 2Ω, 20Ω, 200Ω, 2kΩ, 20kΩ, or 200kΩ

Sensor Power: 5, 10, or 24 VDC (jumper selectable)

Accuracy: 0.01% of full scale, +/- 2 counts

Resolution: -99999 to +99999

Display: 5-digit LED, 0.56 inch (14 mm high), update 3.5 / second

A/D Rate: 0.016 / second (60 Hz)

Power: 10 to 48 VDC (DC powered version)
 85 to 264 VAC (AC powered version) (option)

Relay contacts: Dual, 8 Amp, Form C, Isolation 250 Vrms (option)

Analog Output: 0 to 10 VDC or 4 to 20 mA (option)

Dimensions: 3.8 inch x 1.9 inch x 4 inch (96 mm x 48 mm x 102 mm)
 Cutout: 3.6 inch x 1.7 inch (92 mm x 45 mm)

Environment: 0 to 55°C, 95% Max. RH (non-condensing)

Model	LED Color	Meter Power	Analog Output	Alarm Relays	Digital Interface	Signal Input
PMD3XT	-X	-X	-X	-X	-X	-XXX
	G Green R Red	0 85 to 264 VAC 1 10 to 48 VDC	H None J Analog Output	H None R Dual 8 Amp	H None 2 RS-232 4 RS-485 (via RJ45) 5 USB 7 Ethernet	DCV DC Voltage THC Thermocouple RTD RTD OHM Ohms

Ordering Example

PMD3XT-R-1-J-R-H-DCV: Red LED, DC Power, Analog Output, Alarm Relays, DC Voltage Input



The Sensor Connection

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