



Temperature Transmitter with Display and RTD Sensor

PRTXD Series

\$389

All Models



- ✓ 2-Wire Transmitter
- ✓ 4 to 20 mA Output
- ✓ 4½ Digit LCD
- ✓ RTD Probe Included
- ✓ NEMA-4X (IP66) Housing

The PRTXD Series are 2-wire transmitters that provide a 4 to 20 mA signal representing temperature. The units include a 4½ digit display and the RTD sensor. The NEMA 4X (IP66) housing protects the electronics. Units are available with spring-loaded probes for use with thermowells.

Specifications

Sensor: 100 W RTD element, 0.00385 alpha coefficient IEC-751 class B: ±0.3°C at 0°C, ±1.1°C at 150°C

Display: 4½ digit LCD, ½" digit height, 4 readings per second, nominal display update rate

Out of Range Indication:

ALARM 1: On display above 200°C (392°F)

ALARM 2: On display below -50°C (-58°F)

Loop Supply Voltage: Any DC supply/loop resistance that maintains 8 to 32 Vdc at gauge terminals (reverse polarity protected)

Loop Output Characteristics:

4 to 20 mA output (see chart for loop voltage characteristics), minimum 8 V required at gauge terminals at all times for proper operation

Test Function: Front panel TEST button when held, sets loop current and display to test calibration level, independent of temperature input to allow testing of system operation

Wiring Connections

(See Drawing): 0.9 m (3') long, 2-conductor 22 AWG cable

Material and Color: NEMA 4X (IP66) ABS/Polycarbonate housing, light gray gasketed rear cover connection and probe material: ½ NPT male hex nipple, 316 stainless steel probe sheath
Operating Temperature (Electronics): -20 to 85°C (-4 to 185°F)

Storage Temperature: -40 to 95°C (-40 to 203°F)

Weight:

Transmitter:

Approx 340 g (12 oz)

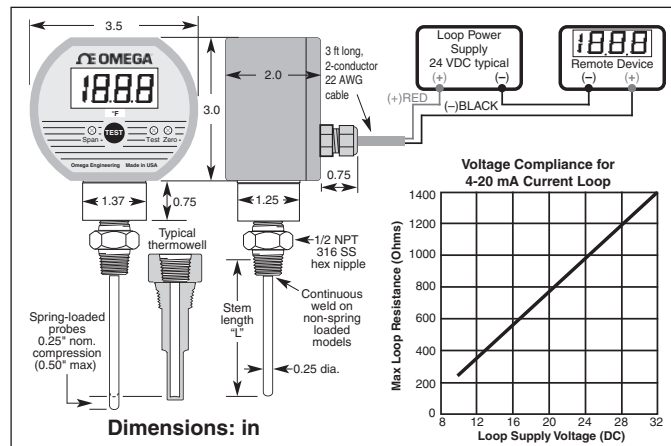
Shipping Weight:

Approx 450 g (1 lb)

Range: -50 to 200°C (-58 to 392°F)

Resolution: 0.1 degree

Accuracy: ±0.1% of span plus max sensor error of ±0.3°C at 0°C or ±1.1°C at 150°C



PRTXD-4, \$389, shown smaller than actual size.

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description
PRTXD-4	\$389	RTD transmitter with display and 4" sensor
PRTXD-4-SL	389	RTD transmitter with display and 4" spring-loaded† sensor
PRTXD-12	389	RTD transmitter with display and 12" sensor
PRTXD-12-SL	389	RTD transmitter with display and 12" spring-loaded† sensor

Comes complete with operator's manual.

† Thermowell required for spring-loaded versions.

Ordering Example: PRTXD-12, RTD transmitter with display and 12" sensor, \$389.

Recommended Reference Book: Introduction to Fuzzy Logic, PE-1005, \$139. See Section Y for Additional Books.





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