

Digital Temperature Gauges

With RTD Sensor, Battery Power and Optional Temperature Alarms

PRTXB and PRTXAL Series



- ✓ 100 Ω Platinum RTD
- ✓ 316 Stainless Steel Probe
- ✓ Capture Minimum and Maximum Readings
- ✓ Selectable Units and Auto Shutoff Times
- ✓ NEMA 4X (IP65) Housing
- ✓ Fits Standard Thermowells
- ✓ Battery Power (Models PRTXB and PRTXBL)
- ✓ Alarm Outputs (Models PRTXAL and PRTXALBL)

The PRTXB and PRTXAL digital temperature gauges are rugged temperature indicators with precision RTD probes. The front keypad is used for power on/off, min/max functions, selection of deg F, C or K, auto shutoff times (for battery models), calibration and configuration options. User-defined pass codes for configuration and calibration to prevent unauthorized changes.

Specifications

Ranges and Resolution: -50.0 to 200.0°C (-58.0 to 392.0°F), extrapolated range for out-of-range conditions, 0.1 degree resolution, user selectable °C or °F

Accuracy: Includes linearity, hysteresis, repeatability ±0.3°C at 0°C, ±1.1°C at 150°C, 11-point linearization

Display: 4 readings per second nominal display update rate 4-digit LCD, 0.5" H 5 character, 0.25" H alphanumeric

BL Models: Red LED backlight

Batteries, Battery Life, Low Battery Indication:

B: 2 "AA" alkaline (included), approximately 1000 hours

BL: 2 "AA" alkaline (included), approximately 150 to 750 hours depending on backlight usage, button press activates backlighting for 1 minute, low battery symbol on display



PRTXB-4 shown smaller than actual size.



PRTXAL-4 shown smaller than actual size.

Relay Output (PRTXAL and PRTXALBL): Two independent SPDT relays 0.5A/115 Vac, 1A/24 Vdc, non-inductive

Sensor: IEC-751 Class B 100 Ω Platinum RTD, 0.00385 alpha curve ½ NPT male, 316 stainless steel, spring-loaded probe versions fit standard thermowells

Weight:

Product: 12 ounces (approx)

Shipping: 1 pound (approx)

Dimensions: Same as model PRTX-D, visit omega.com/prtxd

Housing Material: ABS/polycarbonate NEMA 4X case, rear gasket, polycarbonate label, aluminum sensor block

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

Operating Range: -20 to 85°C (-4 to 185°F) at housing

Alarm Power (PRTXAL and PRTXALBL): 8 to 24 Vac, 50/60 Hz or 9 to 32 Vdc, reverse polarity protected 3", 2-conductor 22 AWG cable for power



Series 385S sanitary thermowells shown smaller than actual size. Visit us online for details.

To Order	
Model No.	Probe/Option Description
Battery Power Indicators	
PRTXB-21/2	64 mm (2.5") fixed length
PRTXB-4	102 mm (4") fixed length
PRTXB-6	152 mm (6") fixed length
PRTXB-9	229 mm (9") fixed length
PRTXB-12	305 mm (12") fixed length
PRTXB-21/2-SL	64 mm (2.5") long spring-loaded*
PRTXB-4-SL	102 mm (4") long spring-loaded*
PRTXB-6-SL	152 mm (6") long spring-loaded*
PRTXB-9-SL	229 mm (9") long spring-loaded*
PRTXB-12-SL	305 mm (12") long spring-loaded*
PRTXBL-21/2	64 mm (2.5") fixed length backlight
PRTXBL-4	102 mm (4") fixed length backlight
PRTXBL-6	152 mm (6") fixed length backlight
PRTXBL-9	229 mm (9") fixed length backlight
PRTXBL-12	305 mm (12") fixed length backlight
PRTXBL-21/2-SL	64 mm (2.5") long spring-loaded* backlight
PRTXBL-4-SL	102 mm (4") long spring-loaded* backlight
PRTXBL-6-SL	152 mm (6") long spring-loaded* backlight
PRTXBL-9-SL	229 mm (9") long spring-loaded* backlight
PRTXBL-12-SL	305 mm (12") long spring-loaded* backlight
Indicators with Alarm Outputs	
PRTXAL-21/2	64 mm (2.5") fixed length
PRTXAL-4	102 mm (4") fixed length
PRTXAL-6	152 mm (6") fixed length
PRTXAL-9	229 mm (9") fixed length
PRTXAL-12	305 mm (12") fixed length
PRTXAL-21/2-SL	64 mm (2.5") long spring-loaded*
PRTXAL-4-SL	102 mm (4") long spring-loaded*
PRTXAL-6-SL	152 mm (6") long spring-loaded*
PRTXAL-9-SL	229 mm (9") long spring-loaded*
PRTXAL-12-SL	305 mm (12") long spring-loaded*
PRTXALBL-21/2	64 mm (2.5") fixed length backlight
PRTXALBL-4	102 mm (4") fixed length backlight
PRTXALBL-6	152 mm (6") fixed length backlight
PRTXALBL-9	229 mm (9") fixed length backlight
PRTXALBL-12	305 mm (12") fixed length backlight
PRTXALBL-21/2-SL	64 mm (2.5") long spring-loaded* backlight
PRTXALBL-4-SL	102 mm (4") long spring-loaded* backlight
PRTXALBL-6-SL	152 mm (6") long spring-loaded* backlight
PRTXALBL-9-SL	229 mm (9") long spring-loaded* backlight
PRTXALBL-12-SL	305 mm (12") long spring-loaded* backlight



U48Y40 shown smaller than actual size.



U24Y175 shown smaller than actual size.



PSR-24S shown smaller than actual size.



PSR-24L shown smaller than actual size.

Comes complete with operator's manual.

* Thermowell required for spring-loaded models.

Ordering Examples: PRTXBL-12, battery powered RTD indicator spring loaded with display backlight and 12" sensor.

PRTXAL-6, RTD temperature indicator with alarms, display and 6" sensor.

Visit us online for power supplies.