

Miniature RTD Temperature Transmitters

TX92G Series
Starts at
\$159



- ✓ Easy to Mount in Protection Head
- ✓ Fine Zero and Span Adjustments
- ✓ ABS Construction with Watertight Enclosure
- ✓ 4 to 20 mA Output
- ✓ Two-Wire Transmitter
- ✓ Non-Isolated
- ✓ ± 0.1% FS Accuracy

OMEGA's miniature TX92G RTD temperature transmitter provides an output current of 4 to 20 mA proportional to the signal of a 2-wire RTD sensor input.

The TX92G is very compact and can be mounted inside many of OMEGA's protection heads. Model PRTXG probes are made by mounting the TX92G transmitter inside the cast iron head of the most popular PR12 Series probes (see ordering chart).

Note: RTD leads should be kept as short as possible.

Specifications

Ranges:

- 40 to 49°C (-40 to 120°F),
- 18 to 93°C (0 to 200°F),
- 18 to 149°C (0 to 300°F),
- 18 to 260°C (0 to 500°F),
- 18 to 399°C (0 to 750°F),
- 18 to 538°C (0 to 1000°F)

Input Type: 2-wire Pt100 Ω

(a=0.00385)BS1904 and DIN 43760

Zero/Span Adjustment Range: ±25%

Current Output Limits:

3.5 to 29.5 mA

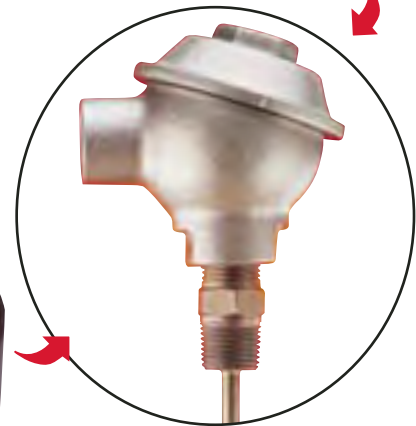
Range Codes

TX92G RTD	Range
-1	-40 to 49°C (-40 to 120°F)
-2	-18 to 93°C (0 to 200°F)
-3	-18 to 149°C (0 to 300°F)
-4	-18 to 260°C (0 to 500°F)
-5	-18 to 399°C (0 to 750°F)
-6	-18 to 538°C (0 to 1000°F)



Shown Actual Size.

Available built into Industrial Protection Head Probes Style PRTXG.



Also fits in the following protection heads: NB1, NB3, NB5, NB7, NB9, NB10, NB12 and others. See Section B for details.

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model Number	Price	Description
TX92G-(*)	\$159	RTD transmitter (100 Ω, Pt 0.00385)
PRTXG-(*)	249	PR-12 RTD probe, 300 mm (12") L, 6 mm (1/4") OD, 304 SS sheath, with TX92G transmitter with cast iron head**

*Insert range code from chart below. Comes with complete operator's manual.

**Other head materials and probe lengths available.

Ordering Example: TX92G-2, RTD transmitter with -18 to 93°C range, \$159.

For complete information on PRTXG and PR-12 industrial RTD probes and other styles of RTD probes, please see Section C.

Accessories

Model No.	Price	Description
TX90-BR	\$18	Mounting bracket
PSR-24S	60	Regulated power supply, 24 Vdc, 400 mA, screw terminal
PSR-24L	60	Regulated power supply, 24 Vdc, 400 mA, UL, stripped leads
PSR-24L-230	60	Regulated power supply, 24 Vdc, 400 mA, stripped leads, 230 Vac input, CE
PSU-93	40	Unregulated power supply, 16 to 23 Vdc, 300 mA max, screw terminal
TX82B	150	Process loop-powered indicator
RT	23	1.2 m (48") mounting track
TX90-DIN	27.50	DIN rail mounting adaptor
RAIL-35-2	15	2 m (6.5') section 35 mm DIN rail

Max Loop Resistance:

(Vs - 8.2 V)/0.02 A = Ω

Accuracy (at 25°C): ±0.1% (<0,3°C,FS)

Ambient Power Supply: 9 to 42 Vdc;
24 Vdc recommended

Load Capability: 600 Ω MAX, @ 24 Vdc

Operating Temperature Range:

-40 to 85°C (-40 to 185°F)

Storage Temperature Range:

-50 to 95°C (-58 to 203°F)

Dimensions:

27 mm H x 44.5 D (1.06 x 1.75") (height includes terminal strip)

Weight: Approx 30 g (1.1 oz)

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