



TEL-TRU MANUFACTURING COMPANY

XTRR-1330 UNIVERSAL PC-PROGRAMMABLE TRANSMITTER

XTRR-1330 is a universal, isolated, temperature transmitter designed to excel at flexibility, accuracy and reliability. A wide range of inputs including RTD, thermocouple, voltage, and potentiometer sensors reduce the number of installed variants.

FEATURES:

- High accuracy and long term stability
- 50-point Customized Linearization and Callendar-Van Dusen
- Accepts RTD, T/C, mV and Ω
- Sensor error and system (sensor/transmitter) error correction for highest total accuracy
- Low temperature drift
- Configuration via USB, without external power
- Runtime counter - hour counter for elapsed operational time

SPECIFICATIONS:

Input RTD	2-, 3-, 4-wire connection
Pt100 ($\alpha=0.00385$)	-328/1562°F or -200/850°C
PtX $10 \leq X \leq 1000$ ($\alpha=0.00385$)	Upper range depending on X-value
Pt100 ($\alpha=0.003916$)	-328/1562°F or -200/850°C
Ni100 ¹⁾ , Ni120 ²⁾	-76/482°F or -60/250°C
Ni1000 ¹⁾	-58/356°F or -50/180°C
Cu10 ³⁾	-58/392°F or -50/200°C
Input Resistance / potentiometer	0 to 10,000 Ω / 100 to 10,000 Ω
Input Thermocouples	Types B, C, D, E, J, K, N, R, S, T
Input mV	-10 to 1,000 mV
Sensor failure	Upscale (≥ 21.0 mA) or downscale (≤ 3.6 mA) action
Adjustments - Zero	Any value within range limits
Adjustments - Minimum spans	
Pt100, Pt1000, Ni100, Ni1000	18°F / 10°C
Potentiometer	10 Ω
T/C, mV	2 mV
Output	4-20 / 20-4 mA, temperature linear
Operating temperature	-40/185°F or -40/85°C
Galvanic isolation	1500 VAC, 1 min
Power supply	8.5...36.0 VDC
Intrinsic safety	Call for ATEX, IECEx, FM US/CA availability
Typical accuracy	$\pm 0.08^\circ\text{C}$ or $\pm 0.08\%$ of span
Connection head	Rail acc. to DIN EN 50022, 35 mm

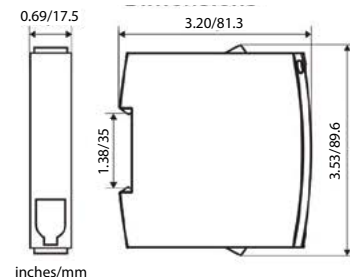


CONNECTIONS

Input connections
See data sheet for more alternatives

Output connections

DIMENSIONS:



HOW TO ORDER

XTRR-1330 Transmitter	IT81XXXX
XTR-CFG PC configuration kit (USB-conn.)	ITXTRCFK
XTR-BT Bluetooth® kit	ITXTRBTK

¹⁾ DIN43760, ²⁾ Edison No.7, ³⁾ Edison No.15



Tel-Tru Manufacturing Company

408 St. Paul St., Rochester, New York 14605 USA

Phone: 585.232.1440 • 800.232.5335 • Fax: 585.232.3857 • E-mail: info@teltru.com • Web: www.teltru.com

XTRR1330

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