



TEL-TRU MANUFACTURING COMPANY

XTRC-1220 BASIC PROGRAMMABLE TRANSMITTER

XTRC-1220 is a basic, programmable non-isolated, easy-to-use transmitter. The Low Profile housing has a height of only 0.77 inch / 19.5 mm. Configuration is made in seconds with the user friendly Windows software. No external power supply required for configuration. The transmitter is programmable for RTDs in 3- and 4-wire connection according to different standards as well as for 11 T/C types. Useful error correction functions improve accuracy.

FEATURES:

- Robust terminals with test connections
- Only 0.77 inch / 19.5 mm high
- Accepts RTD in 3- and 4-wire connection and 11 T/C types
- Sensor error and system (sensor/transmitter) error correction for highest total accuracy
- Configuration without external power through USB
- Easy-to-use Windows configuration software
- Rugged design tested for 10 g vibrations

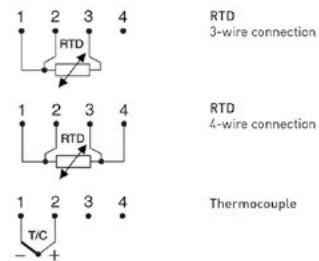
SPECIFICATIONS:

Input RTD	3-, 4-wire connection
Pt100 ($\alpha = 0.00385$) ¹	-328/1832°F or -200/1000°C
Pt1000 ($\alpha = 0.00385$) ¹	-328/392°F or -200/200°C
PtX $10 \leq X \leq 1000$ ($\alpha = 0.00385$) ¹	Upper range depending on X-value
Pt100 ($\alpha = 0.003902$)	-328/1832°F or -200/1000°C
Pt100 ($\alpha = 0.003916$)	-328/1832°F or -200/1000°C
Ni100 ²	-76/482°F or -60/250°C
Ni1000 ²	-14/302°F or -10/150°C
Ni120 ³	-94/572°F or -70/300°C
Cu10 ⁴	-328/500°F or -200/260°C
Input thermocouples	
Types	B, C, E, J, K, L, N, R, S, T, U
Sensor failure	Upscale, downscale or off
Adjustments - zero	Any value within range limits
Adjustments - minimum spans	
Pt100, Pt1000, Ni100, Ni1000	18°F / 10°C
T/C	2 mV
Output	4-20 mA, temperature linear
Operating temperature	-40/185°F or -40/85°C
Galvanic isolation	No
Power supply	8.0...32.0 VDC
Typical accuracy	±0.15% of temperature span
Connection head	DIN B or larger

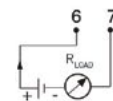


CONNECTIONS

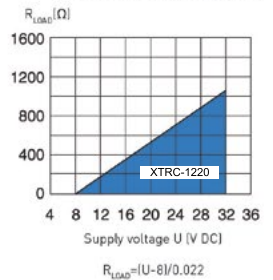
Input connections



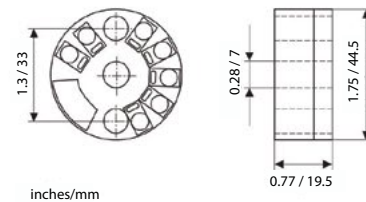
Output connections



Output load diagram



DIMENSIONS:



HOW TO ORDER

XTRC-1220 Transmitter [IT51XXXX](#)
 XTR-CFG PC configuration kit (USB-conn.) [TTXTRCFK](#)

¹ IEC 60751, ² DIN43760, ³ Edison No.7, ⁴ 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

XTRC1220

© 2021