



# TEL-TRU MANUFACTURING COMPANY

## XTRR-1202 PC-PROGRAMMABLE TRANSMITTER FOR PT100 INPUT

The XTRR-1202 is a digital, easy-to-use temperature transmitter developed for measurements with Pt100 sensors. Its robust design and high quality offer excellent performance and accuracy under harsh conditions. With the new runtime counter function you can easily supervise the elapsed operational time between calibrations.

### FEATURES:

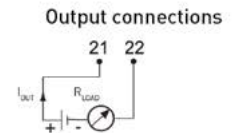
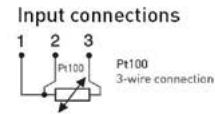
- Input: Pt100 in 3-wire connection
- PC configurable measuring ranges without the need for calibration
- Free adjustment of zero point and input range
- Temperature linear output
- Runtime counter
- Excellent EMC immunity
- Configuration without external power through USB
- Easy-to-use Windows configuration software
- Withstands vibrations up to 5 g

### SPECIFICATIONS:

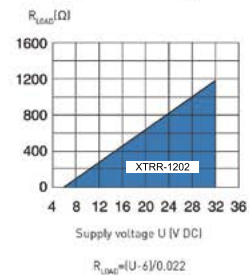
<b>Input RTD</b>	Pt100 ( $\alpha = 0.00385$ )	3-wire connection -328/1562°F or -200/850°C
<b>Sensor failure</b>		Upscale ( $\geq 21.0$ mA) or downscale ( $\leq 3.6$ mA) action
<b>Adjustments</b>		
Zero adjustment		Any value within range limits
Minimum span		36°F / 20°C
Sensor error compensation		$\pm 10\%$ of span for span < 180°F / 100° otherwise $\pm 18^\circ\text{F} / \pm 10^\circ\text{C}$
<b>Output</b>		4...20 mA, temperature linear
Adjustable filtering level		0.13 to 54 s, (default 0.9 s)
Permissible load		818 $\Omega$ @ 24 VDC
Response time		< 50 ms
<b>Environment conditions</b>		
Ambient temperature		-40/185°F or 40/85°C
Humidity		0...98% RH (non-condensing)
Vibrations		Acc. to IEC 60068-2-6, test Fc, 10...2,000 Hz, 10 g
EMC		Directive: 2014/30/EU Harmonized standards: EN 61326-1, EN 61326-2-3
<b>Galvanic isolation</b>		No
<b>Power supply</b>		6.0...32.0 VDC
<b>Accuracy</b>		Max of $\pm 0,1\text{K}$ or $\pm 0,1\%$ of span $\pm 0,1\%$ of span per year
<b>Mounting</b>		Rail acc. to DIN EN 50022, 35 mm
Weight		0.11 lb / 50 g
Protection, housing / terminals		IP 65 / IP 00



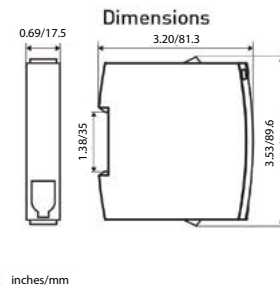
### CONNECTIONS



Output load diagram



### DIMENSIONS:



### HOW TO ORDER

XTRR-1202 Transmitter [TT41XXXX](#)  
 XTR-CFG PC configuration kit (USB-conn.) [TTXTRCFK](#)



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XTRR1202

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