

Programmable Two-Wire Transmitter - Type PT



FEATURES:

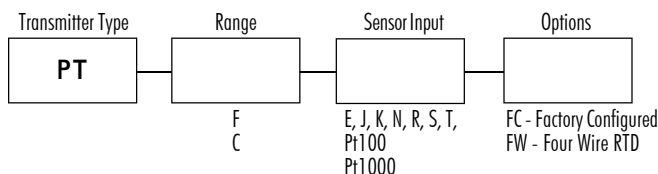
- Input/Output isolation – excellent filtering of voltage spikes and elimination of ground loops
- Accepts RTD or T/C inputs
- Full access to all features while in operation
- Selectable sensor break function – upscale or downscale
- Long term stability 0.1% / year
- Fast response – measuring frequency of appr. 6 per second update time down to 170 ms
- Sensor error correction any sensor can be matched
- 5 Year Warranty
- Easy to use Windows configuration software
- NAMUR Compliant
- FM and Cenelec approvals

SPECIFICATIONS:

Input RTD* and Resistance	3,4-wire connection
Pt100 ($\alpha=0.00385$)	-200 to +1000°C / -328 to +1832°F
Pt1000 ($\alpha=0.00385$)	-200 to +200°C / -328 to +392°F
Input Thermocouples	E, J, K, N, R, S, T
Input Voltage	-10 to +500mV
Sensor failure	User definable output
Adjustments – Zero	Any value within range limits
Pt100, Pt1000	10°C / 18°F
T/C, mV	2mV
Output	4-20 / 20-4 mA
Operating temperature	-40 to +85°C / -40 to +185°F
Galvanic isolation	1500 VAC, 1 min
Power supply	8.0 to 30 VDC
Intrinsic safety	Cenelec: EEx ia IIC T4-T6
	ATEX: II 1 G
	FM: Class I-III, Div. 1, Gr.A-D
Accuracy	$\pm 0.1\%$ of temperature span

*Consult factory for other RTDs

To order: Indicate the code letter or value for each part of the ordering code. For factory configuration specify option FC. The transmitter will be programmed for the specified range and sensor type. The user can **not** change the programmed features without the factory supplied communications cable. To order the communications cable (only one required regardless of the number of transmitters) specify part number 701PRX0001.



WIRING DIAGRAMS:

