

High Accuracy 2 Wire Temperature Transmitter



2 Wire Temperature Transmitters

The 300TX is a 4-20mA analogue temperature transmitter, which can be housed, in a probe terminal head suitable for a DIN standard block. With ranges for thermocouple and Pt100 sensors, the units offer an exceptionally wide range of span adjustment, which reduces the need for stockholding different temperature ranges.

A novel feature is the minimal-interaction span and zero potentiometer action, which is time saving and convenient when calibrating, or re-scaling.

- 4-20mA, 2 wire loop
- High accuracy & stability
- In-head mounting, DIN standard fixing
- Pt100 or thermocouples type J and K
- Effective input 'noise' rejection
- CE compliant
- RoHS compliant

Specification

Ranges	Thermocouple to IEC 584	Type J	0-300°C
		Type K	0-1100°C
		Type K	0-200°C

PT100 to IEC751, 3 wire

0 to 200°C
0 to 100°C

Junctions/ sensors must be insulated from sheath

Output 4-20mA loop powered, max 30mA. Directly proportional to mV input for thermocouples. Directly proportional to temperature for Pt100.

Loop supply. 12-36V dc; reverse connection protected.

Accuracy Thermocouple ranges $\pm 0.2\%$ of span (linear to mV input)
Pt100 ranges $\pm 0.1\%$ of span (linear to temperature input)

Range	Farnell Code	Labfacility Stock Code
Pt100, 0-100 degC	163-3458	SI-050
Pt100, 0-200 degC	163-3459	SI-051
Type J, 0-300 degC	163-3460	SI-052
Type K, 0-200 degC	163-3461	SI-053
Type K, 0-1100 degC	163-3462	SI-054

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