

High Accuracy, Low Profile, 2 Wire Temperature Transmitter



2 Wire Low Profile 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. **The overall height is only 23mm allowing it also to be housed in low-profile enclosures.** 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 | 163-3463 | SI-060 |
| Pt100, 0-200 degC | 163-3464 | SI-061 |
| Type J, 0-300 degC | 163-3465 | SI-062 |
| Type K, 0-200 degC | 163-3467 | SI-063 |
| Type K, 0-1100 degC | 163-3468 | SI-064 |

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