

## High Accuracy, In-Line, 2 Wire Temperature Transmitter



### In-Line, 2 Wire Temperature Transmitter

**A unique, rapid & simple solution to convert to, or add 4-20mA loops using existing sensors in-situ without process downtime.**

The ILTX is simply plugged into the probe termination and a housing is not required.

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, K and N
- Input & output plugs included
- Free standing or surface mounting; fixing lugs & adhesive patch included
- Effective input ' noise ' rejection
- CE compliant
- RoHS compliant

### Specification

Ranges Thermocouple to IEC 584

Type J	0-800°C
Type K	0-110°C
Type N	0-130°C

PT100 to IEC751, 3 wire

-50 to 450°C

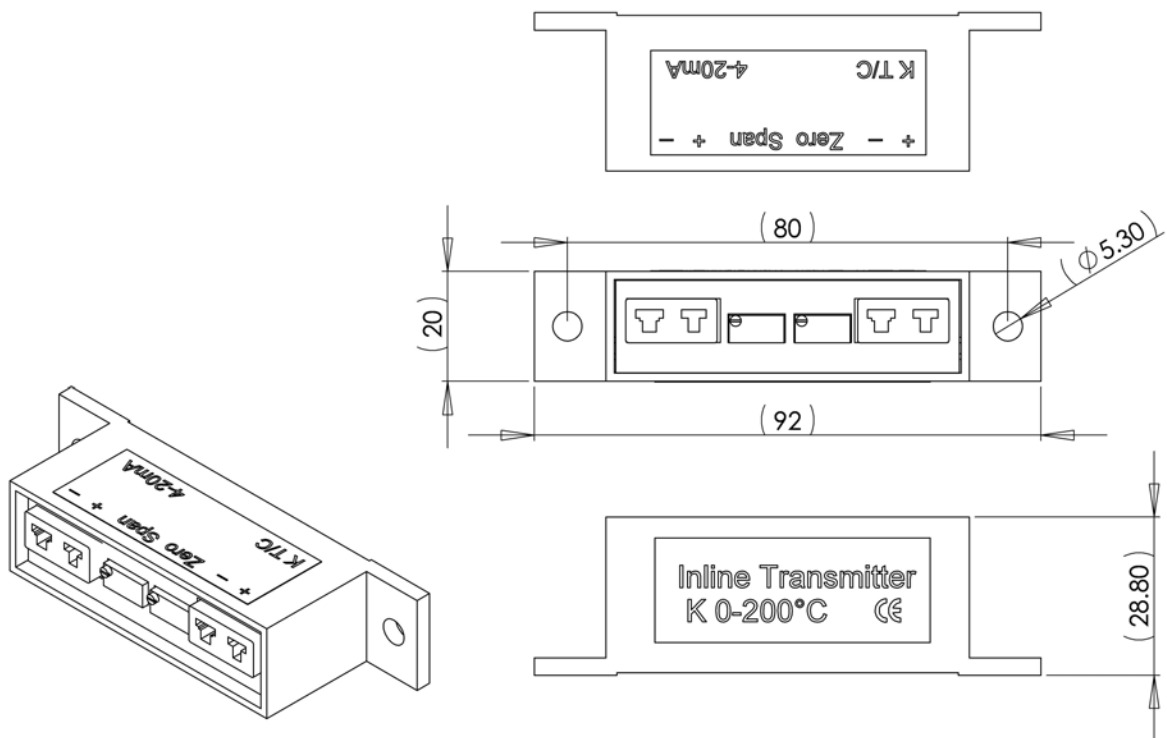
Junctions/ sensors must be insulated from sheath

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, -50 to 450 degC	163-3473	SI-070
Type J, 0-800 degC	163-3474	SI-071
Type K, 0-1100 degC	163-3475	SI-072
Type N, 0-1300 degC	163-3476	SI-073



**Data Ref; FAR78**