

Temperature sensor TJ-O

The temperature sensor TJ-O is designed to measure the ambient temperature from -40 °C to 80 °C. The device can be equipped with built-in transducer (output: 4...20 mA, 4...20 mA +HART, 0...10 V, RS-485, IO-LINK). The temperature sensor (probe) can be distanced with optional sensors: TJ-1, TJ-2, TJ-4, TJ-S. In addition to the options provided, other sizes and materials available (according to individual orders and drawings).

Technical information

Mounting box:

Material: polystyrene

Dimensions: 64 x 88 x 42 mm

Sensor tube:

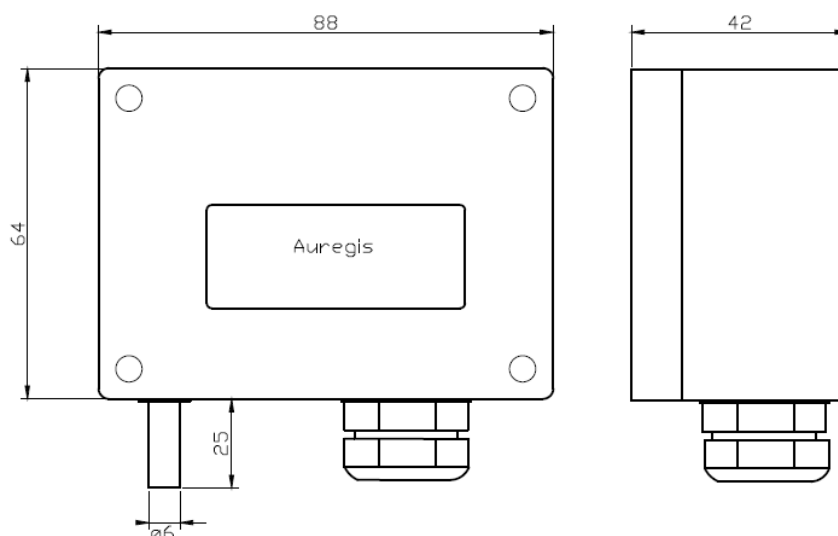
Material: EN 1.4301 (AISI 304)

Diameter: 6 mm

Length: 25 mm

Protection class:

IP65



Temperature sensor TJ-O

Product code

| | | | |
|---|---|---|--|
| 1 | □ | Sensing element quantity | |
| | | | Single Pt100/B, K, J... |
| | | 2 | Double Pt100, K, J... |
| 2 | □ | Sensing element | |
| | | Pt100 | Pt100 |
| | | Pt1000 | Pt1000 |
| | | K | K type thermocouple |
| | | J | J type thermocouple |
| | | | other parameters acc. to requirement |
| 3 | □ | Accuracy | |
| | | A or B | for measuring resistor |
| | | 1 or 2 | for thermocouple |
| | | | other parameters acc. to requirement |
| 4 | □ | Diameter of protective tube $\varnothing D$, mm | |
| | | 6 | $\varnothing 6$ mm |
| | | | other parameters acc. to requirement |
| 5 | □ | Length of protective tube L_p, mm | |
| | | 25 | 25 mm |
| | | | other parameters acc. to requirement |
| 6 | □ | Measurement circuit (for resistor) | |
| | | 2 | 2- wire |
| | | 3 | 3-wire |
| | | 4 | 4-wire |
| | | | other parameters acc. to requirement |
| 7 | □ | Temperature range | |
| | | -40+80 | -40...80 °C (standard range without transmitter) |
| | | | other parameters acc. to requirement |
| 8 | □ | Transmitter output type | |
| | | | with terminal block |
| | | 420 | 4...20 mA |
| | | HART | 4...20 mA +HART |
| | | 10 | 0...10 V |
| | | 485 | RS-485 |
| | | LINK | IO-LINK |
| | | | other parameters acc. to requirement |

| | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|----|---|---|---|---|---|---|
| | | 1 | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 |
| TJO | - | | | / | | - | 6 | x | 25 | - | | / | | - | |

E.g.: **TJO-Pt100/B-6x25-3/-40+80-420**

Temperature sensor **TJO** with **Pt100** class **B** sensor, protection tube $\varnothing 6 \times 25$ mm, measuring circuit **3-wire**, temperature range **-40...80 °C**, transmitter output type **4...20 mA**.