

Mineral Insulated Thermocouple Sensors PTTJ, PTTK

Specification

Temperature range / sensing element

-40÷700°C class 2 -40÷1200°C class 2

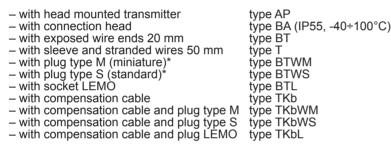
Sheath

- material: stainless steel 1.4541 for J, Inconel 600 for Kdiameter d [mm]: 1; 1,5; 2; 3; 4,5; 6; 8
- length L [mm]: acc. to requirements - min. bending radius 3xd [mm]

Max, range of continuous operation dependent on sheath diameter

| Thermocouple class 2 | Sheath diameter d [mm] | | | | | | |
|----------------------|------------------------|-------|-------|-------|--------|--------|--------|
| | 1 | 1,5 | 2 | 3 | 4,5 | 6 | 8 |
| J | 315°C | 315°C | 400°C | 450°C | 550°C | 700°C | _ |
| K | 760°C | 760°C | 800°C | 900°C | 1000°C | 1200°C | 1200°C |

Constructional version



Lead wire

- stranded wire 2x0,22 mm² with double silicone insulation
- stranded wire 2x0,22 mm² with double fiberglass insulation, metallic overbraid
- length L_D [m]: acc. to requirements

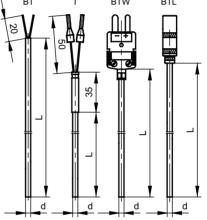
Options

- connection heads aluminium NA, IP65; aluminium NA with snap lock - p. 157
- hot junction: SO, SP, SOA, SOB p. 13
- thermocouple J, K: class 1

Additional accessories

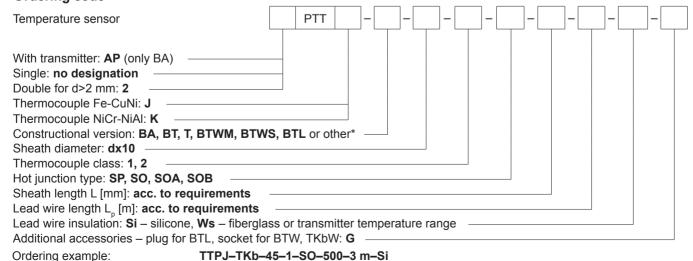
- temperature transmitters pp. 162÷174version BTW, TKbW, BTL, TKbL acc. to requirements
- sensor mounting fittings: UG-1, UG-3, UG-8, UZK-1 pp. 155÷156

TKb TKbW TKbL PTT..BA M20x1.5 BTW BTI



*BTW M for sheath [mm]: ø1; 1,5; 2; 3 *BTW S for sheath [mm]: ø1; 1,5; 2; 3; 4,5; 6

Ordering code



Quality Certificate or Calibration Certificate of Limatherm Sensor Accredited Laboratory for Temperature Measurements on request.