

# Pt100 Temperature Sensors and Thermocouples

We present an overview of our Pt100 temperature sensors and thermocouples here, appropriate for a very wide and diverse range of applications. Our products have a long service life, even in demanding fields of application. ELTF-PTE<sub>x</sub> temperature sensors are suitable for use in hazardous (Ex) areas.

## Advantages:

- Can be used for a wide range of applications
- Coordinated with our trace heating product line
- Easy assembly

## Applications:

- Industrial applications
- Building services
- Frost protection
- Process temperatures to 1000 °C
- Hazardous (Ex) area



Pt100 temperature sensor, thermocouples





## Technical Information

### Pt100 Temperature Sensors

Type	Designation	Art. No.
ELTF-PT.1	Pt100 2-wire, measuring sleeve 5 x 50 mm, mat. 1.4571, connection cable PVC, length = 5 m, class B, Tmax 80 °C, IP 65	0650001
ELTF-PT.3	Pt100 2-wire, measuring sleeve 5 x 50 mm, mat. 1.4571, connection cable fluoropolymer, length = 3 m, class B, Tmax 250 °C, IP 65	0650003
ELTF-PT.31	Pt100 3-wire, measuring sleeve 5 x 50 mm, mat. 1.4571, connection cable fluoropolymer, length = 3 m, class B, Tmax 250 °C, IP 65	0650002
ELTF-PT.33	Pt100 2-wire, measuring sleeve 6 x 6 x 46 mm, mat. 1.4301, connection cable fluoropolymer, length = 5 m, class 1/3 B, Tmax 250 °C, IP 65	0650000
ELTF-PT.5	Pt100, 4-wire, measuring sleeve 4 x 50 mm, mat. 1.4571, connection cable fluoropolymer length = 5 m, class 1/3 B, Tmax 250 °C, IP 65	0650022
ELTF-PT.61	Pt100, 2-wire, measuring sleeve 3 x 200 mm, mat. 1.4571, connection cable fluoropolymer, length = 5 m, class B, Tmax 500 °C, IP 65	0650040
ELTF-PTEX.2 	Pt100 4-wire, measuring sleeve 8 x 12 x 46 mm, mat. 1.4301, connection cable fluoropolymer, length = 3 m, class B, Tmax 235 °C, IP 65	0X70002*
ELTF-PTEX.4 	Pt100 2 x 3-wire, measuring sleeve 8 x 12 x 46 mm, mat. 1.4301, connection cable fluoropolymer, length = 3 m, class B, Tmax 235 °C, IP 65	0X70030*

\* see also section „Hazardous (Ex) area“.

### Thermocouples

Type	Designation	Art. No.
ELTF-Te.4	Thermocouple type K, measuring sleeve 3 x 250 mm, mat. 2.4816, connection cable fluoropolymer/silicone, length = 5 m, DIN IEC 584 1-2, Tmax. 1150 °C, IP 65	0670001
ELTF-Te.41	Thermocouple type K, measuring sleeve 1.5 x 400 mm, mat. 2.4816, connection cable fluoropolymer/silicone, length = 5 m, DIN IEC 584 1-2, Tmax. 1150 °C, IP 65	0670019

This is only a selection. Additional temperature sensors and thermocouples are available on request.