

## Temperature measurement

### Thermocouple TE 280

#### Technical specifications

- Thermocouple as cable sensor "made in Germany"
- Sensor element: Thermocouple 1 x NiCr-Ni type K
- Accuracy: +/- 1.5%
- Circuit type: 2-wire
- Measuring tip:
  - With protective fitting: Stainless steel 1.4401 (V4A)
  - Diameter 4 mm
  - Nominal length 50 mm
- Or:
  - 5 mm stripped and twisted, with weld bead
- Connection cable: FEP compensation cable
- Free ends 50 mm
- Without ferrules
- Temperature range:
  - 70°C...+200°C (FEP cable)
  - 40°C...+200°C (silicone cable)
- Protection class: IP00 (without sleeve) or IP67 (with sleeve)

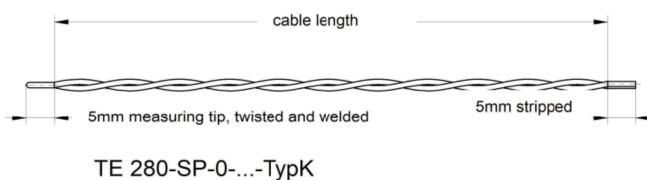
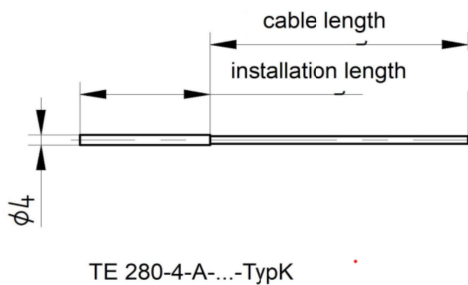


#### Typical areas of application

- For cost-effective temperature measurement in liquid and gaseous media
- Air conditioning and ventilation systems
- Building automation



#### Dimensions



**Ordering code:** TE 280-4-A-05S-TypK

#### Sensor diameter or measuring tip

- 4 Sensor diameter 4 mm
- SP 5 mm stripped, twisted and welded

#### Sensor length

- A Sensor length 50 mm
- 0 without sleeve (for -SP)

#### Cable length and material (note temperature range)

- 00S Specify cable length (e.g., 05 = 5 m) / m, cable material silicone compensation cable
- 00T Specify cable length (e.g., 05 = 5 m) / m, cable material FEP compensation cable

#### Sensor type and tolerance

- TypK Thermocouple 1 x NiCr-Ni Type K, Class 1