Pt100 cable sensor



Inexpensive resistance-based temperature sensors, for universal use. For immersion measurements in air and gases. Rigid protective tube made from stainless steel
A wide variety of cable variants.
Operating temperature (depending on variant) -40 to +400°C.

Technical features

Measuring element : Pt100 4L, DIN class B, For technical data see page 07.03.
Protective tube: Diameter, length see Variants, stainless steel 1.4301
Junction of protective tube / connecting cable: Direct, hard-crimped for dry uses
Cables: Length = 1.5 meters, Other lengths are available as options. Cable diameter is never larger than the diameter of the protective tube.
Operating temperature: see variants, Always for whole sensor (i.e. sensor tip and cable)
ALMEMO® connector: Pt100 ZA9030FS2 with resolution 0.01 K .

Variants

With FEP / FEP cable (black),

Operative range -40...+250°C:

Diameter	Length	Order no.
3.0 mm	50 mm	**FPA30K03L0050**
3.0 mm	100 mm	**FPA30K03L0100**
4.0 mm	50 mm	**FPA40K03L0050**
4.0 mm	100 mm	**FPA40K03L0100**

A longer cable is available as an option

Total length 5 m	OPK03L0050
Total length 10 m	OPK03L0100

With FEP / silicone cable (red),

Operative range -40...+200°C:

Diameter	Length	Order no.
5.0 mm	50 mm	**FPA50K01L0050**
5.0 mm	100 mm	**FPA50K01L0100**
6.0 mm	50 mm	**FPA60K01L0050**
6.0 mm	100 mm	**FPA60K01L0100**

A longer cable is available as an option

Total length 5 m	OPK01L0050
Total length 10 m	OPK01L0100

Cable with glass-fiber / glass-fiber / VA wire shielding,

Operative range -40...+400°C:

Diameter	Length	Order no.
5.0 mm	50 mm	**FPA50K06L0050**
5.0 mm	100 mm	**FPA50K06L0100**
6.0 mm	50 mm	**FPA60K06L0050**
6.0 mm	100 mm	**FPA60K06L0100**

A longer cable is available as an option

Total length 5 m	OPK06L0050
Total length 10 m	OPK06L0100

Other designs are available on request:

Pt100 cable sensors FPA30K20L0020 vapor-tight (protective class IP69K), inter alia for temperature measuring in autoclaves, sterilizing units, high-temperature steam applications, vacuum applications, freeze drying units, -30. to +150 °C, protective tube in stainless steel with PFA cable.



DAkkS / DKD or factory calibration KT90xx temperature for sensor or measuring chain (sensor + device) (see chapter Calibration certificates)

10/2013 • We reserve the right to make technical changes.