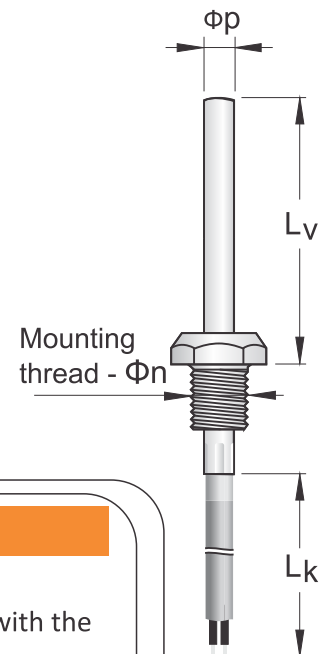


**CABLE TEMPERATURE
RESISTANCE
PROBE TYPE:**

AK


Description of the probe:

The probe consists of a connection cable and protection tube (diameter Φ_p length L_v) with welded mounting thread in which temperature sensor (Pt 100, Pt 1000 etc.) is inserted. Temperature sensor is merged with connection cable and inserted in protection tube. Because of its shape it is suitable for mounting in the walls of tanks and chambers. Operation temperature of the probe is determined with the insulation of connection cable.

Image and dimensions of the probe:

Sensor features:

Sensors which can be implemented into the probe:

- Pt 100
 - tolerance class A*
 - tolerance class B*
 - three-wire implementation
- Pt1000
 - tolerance class B*
 - two-wire implementation
- NTC 10K
- KTY 81
- Ni1000, 5000 ppm/K
- Ni1000, 6178 ppm/K

(look at the ordering table)

* according to DIN EN 60751

Operating conditions:
Temperature

Operation temperature is determined with the insulation of connection cable:

Cable insulation	Ordering code	Temperature interval (°C)
PVC	P	-20 / +105 °C
Silicone	Si	-50 / +180 °C
Teflon	T	-200 / +270 °C
Fiberglass with steel overbraids	SVo	-50 / +400 °C

(refer to ordering table)

External features of the probe:

Probe length (L_v) can be:

- 30 mm
- 40 mm
- 50 mm
- 80 mm
- 100 mm
- 150 mm

refer to the ordering table)

Probe diameter (Φ_p) can be:

- 4 mm
- 6 mm

(refer to the ordering table)

Connection cable length (L_k) is custom.

Protection tube is made out of AISI 403 (DIN 1.4024) steel. Mounting thread is made from stainless steel. Mounting thread diameter (Φ_n) can be:

- 1/4"
- 3/8"
- 1/2"
- M8
- M10
- M10x1

(refer to the ordering table)



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