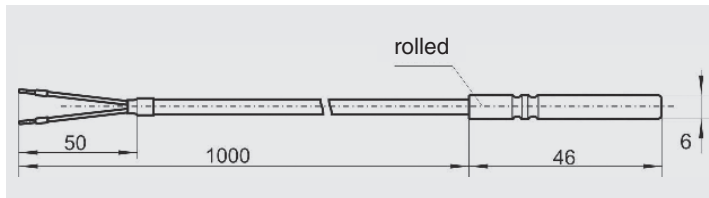


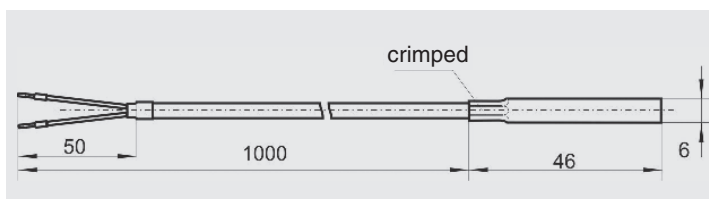
# Resistance thermometer KWT...

Also available as thermocouple element

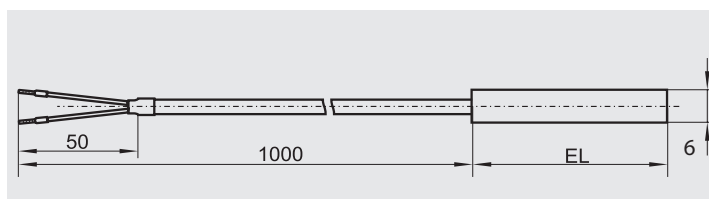
Insertion resistance cable thermometer,  and  version also available



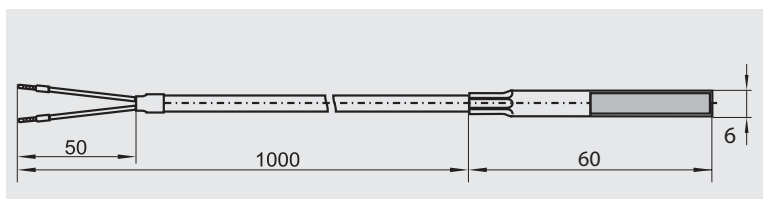
KWT SR



KWT SC





KWT BN V



KWT BN SC

## Description

- Bend protection spring optionally available
- Pt 100 acc. to DIN EN 60751 class B
- Other measuring inserts available (e.g. Pt 1000)
- 3- and 4-conductor connection provided
-  II 2G Ex ia IIC T6-T2
-  -approval 13989-15HH

Insertion resistance cable thermometers are used as universal thermometers for measuring in liquids and gaseous media. The availability of numerous diameters, lengths and material choices provides a variable system for almost every application. Further on, various types of process connections are available.

Different cable types such as i.e. silicone or Teflon are available for higher temperatures. Pt100 or Pt1000 measuring inserts with 2-, 3- or 4-conductor wiring can be mounted as standard. Multiple measuring insert mounting is also an option.

Technical data	Type: KWT
Protective pipe	Stainless steel 1.4571
Measuring insert type	Pt100 / Pt1000 (others upon request)
Tolerance class	Class B (standard)
Connection	2-, 3- or 4-conductor wiring
Diameter	Standard 6 mm, others upon request
Length (EL)	50 ... 500 mm
Measuring range	-35 ... +105 °C, PVC-cable -50 ... +180 °C, silicone cable other cable material on request
Protection class	IP 54


# Resistance thermometer KWT...

Also available as thermocouple element

Insertion resistance cable thermometer,  and  version also available

## Type designation codes

Type **KWT...**+ connection type

or  **-KWT...**+ connection type

or  **-KWT...**

Connector type

■ **SR** = rolled

■ **SC** = crimped

■ **BN** = potted

1 Protective pipe diameter

■ 4 ■ 5 ■ 6 ■ 7 ■ 8 ■ 9 mm  
■ 10 ■ 11 ■ 12 ■ 13 ■ 14 ■ 15 mm

2 Length EL = ...

■ 50 ■ 100 ■ 200 ■ 250 ■ 400 ■ 500 mm (others on request)

3 Protective pipe material

■ **3** = stainless steel

4 Sensor quantity

■ 1 x  
■ 2 x

5 Sensor type

■ **Pt** = Pt 100 ■ **PtM** = Pt 1000 ■ **Ni** = Ni 100 ■ **NiM** = Ni 1000 IEC751  
■ **J** = Fe-CuNi ■ **K** = NiCr-Ni ■ **N** = NiCrSi-NiSi IEC584  
■ **L** = Fe-CuNi (others on request)

6 Connection

■ **2**-conductor  
■ **3**-conductor  
■ **4**-conductor

7 Class

Resistance thermometer

■ **0** = standard  
■ **1** = 1/2 DIN IEC 751  
■ **2** = 1/3 DIN IEC 751

Thermocouple

■ **2** = standard  
■ **1** = ~1/2 DIN IEC 584

8 Connection-, balance line

■ (Length in m) **PP** = PVC MAX: +105 °C  
■ (Length in m) **TS** = Teflon/silicone MAX: +180 °C  
■ (Length in m) **TT** = Teflon MAX: +260 °C  
■ (Length in m) **GGD** = GS/wire MAX: +350 °C

9 Bend protection spring (only available with crimp connection SC)

■ **KF** = bend protection spring equipped

Example: KWT... · 

1	2	3	4	5	6	7	8	9
3	100	3	1	Pt	4	0	1PP	KF

KWT, 3x100.3.1Pt-4.0.1PP 1=1 m

Ex-KWTSC...

GL-KWTSC...