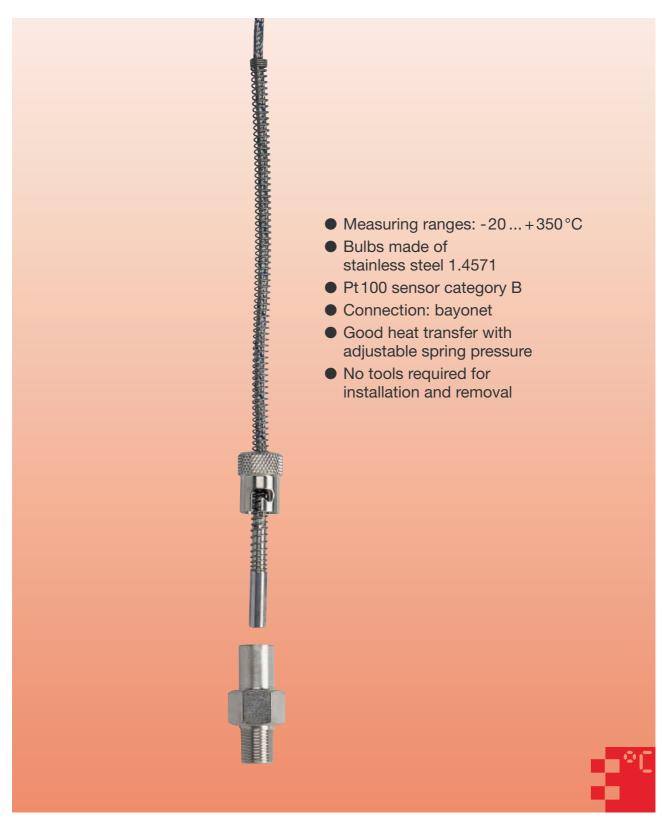


# Insertion Resistance Thermometers with Bayonet Lock







## **Description**

The insertion resistance thermometers comprise a rugged sensor made of stainless steel. Due to the special form of the probe tip, these temperature detectors are suitable for service in threaded borings. The thermostable compression spring made of stainless steel, which also acts as bend protection, ensures steady contact pressure of the probe tip in the hole. The immersion length can be varied by rotating the bayonet lock. Bayonet locks and counterparts are available in 6 and 8 mm diameter, others upon request.

Pt100 temperature sensors according to IEC 751, category B are used as standard. Other categories or versions are also available with Pt 500 and Pt 1000.

These sensors are available as single or double resistance thermometers.

The screw-in resistance thermometers are available in two-, three- or four-wire circuitry.

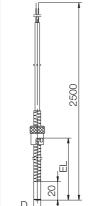
## **Applications**

Insertion resistance thermometer with bayonet lock are particularly suited for measuring temperature in solids, sliding contact bearings and tools.

Many areas of application are to be found especially in the plastics industry.

### Insertion resistance thermometer

with bayonet lock



Protective tube made of stainless steel 1.4571 Compression spring made of stainless steel 1.4310

Connecting lead: stainless steel braided, 0.22 mm<sup>2</sup> with bend protection

Standard cable length: 2500 mm, others upon request

Temperature range: -20 + 260 °C or -20 + 350 °C				
Model number	Diameter/Immers. length	Sensor type/category	Wiring	Connection cable
TWE-564 17P	6 mm / adjustable 20-175 mm (-20+260°C)	1 = 1x Pt100, category B 2 = 2x Pt100, category B	2= 2-wire3= 3-wire4= 4-wire*	E = braided cable (standard 2.5 m)
TWE-584 17P	8 mm / adjustable 20-175 mm (-20+350°C)			

\*with 1x Pt100 only

# Counterpart for resistance thermometer with bayonet lock

Material steel 1.0718

