



## Insertion Resistance Thermometers with Bayonet Lock



measuring  
•  
monitoring  
•  
analysing



- Measuring ranges: -20 ... +350 °C
- Bulbs made of stainless steel 1.4571
- Pt 100 sensor category B
- Connection: bayonet
- Good heat transfer with adjustable spring pressure
- No tools required for installation and removal

T2



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**Model:**  
TWE-5...



**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/Immersion length	Sensor type/category	Wiring	Connection cable
	TWE-564 17P..	6 mm / adjustable 20-175 mm (-20...+260 °C)	..1.. = 1x Pt 100, category B ..2.. = 2x Pt 100, category B	..2.. = 2-wire ..3.. = 3-wire ..4.. = 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

Model: TUZ-A1...: connection M 12 x 1 Model: TUZ-A2...: connection G 1/4 male	Model: TUZ-B1...: connection M 12 x 1	Model: TUZ-C1...: connection M 12 x 1
Diameter ..6 = 6 mm ..8 = 8 mm		

T2