



## Insertion Resistance Thermometers with Bayonet Lock

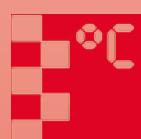


measuring  
• monitoring  
• analysing

TWE-5



- Measuring ranges:  
-20 ... +350 °C
- Bulbs in  
stainless steel 1.4571
- Pt100 sensor class B
- Connection: bayonet
- Good heat transfer with  
adjustable spring pressure
- Fitting and removal  
without tools



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KOBOLD Messring GmbH  
Nordring 22-24  
D-65719 Hofheim/Ts.  
Head Office:  
+49(0)6192 299-0  
+49(0)6192 23398  
info.de@kobold.com  
www.kobold.com

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## 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. Pt 100 temperature sensors according to IEC 751, class 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 in stainless steel 1.4571 Compression spring in stainless steel 1.4310 Connecting lead: glass fiber/stainless steel braided 0.22 mm <sup>2</sup> with bend protection Standard cable length: 2500 mm, others on request Temperature range: -20...+260°C or -20...+350°C				
Model number	Diameter/ Immersion length	Sensor type/class	Wiring	Connection cable	
<b>TWE-564 17P..</b>	6 mm/adjustable 20-175 mm (-20...+260°C)	..1.. = 1x Pt100, classe B  ..2.. = 2x Pt100, classe B	..2.. = 2-wire ..3.. = 3-wire ..4.. = 4-wire*	..E = stainless steel braided cable (standard 2.5 m)	
	8 mm/adjustable 20-175 mm (-20...+350°C)				

\* with 1x Pt100 only

## Counterpart for resistance thermometer with bayonet lock

Material brass, nickel plated

 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		