

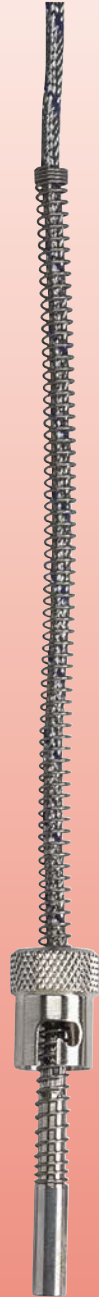


## Insertion Thermocouples with Bayonet Lock



measuring  
•  
monitoring  
•  
analysing

TTE-5



- Measuring ranges:  
0 ... +600 °C
- Bulbs in  
stainless steel 1.4571
- NiCr-Ni or Fe-CuNi  
thermocouples
- Accuracy class 2  
(option class 1)
- Connection: bayonet
- Good heat transfer with  
adjustable spring pressure
- Fitting and removal  
without tools



T2

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**Description**

The insertion thermocouples 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 the 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 12 mm diameters, others upon request. Thermocouples according to IEC 584-1, class 2 are used as standard in the measuring insert.

Thermocouples according to DIN 43710 or other versions are also available upon request. The sensors are available as single or double thermocouples.

**Applications**

Insertion thermocouples 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 thermocouples**

with bayonet lock

	<b>Protective tube in stainless steel 1.4571</b> <b>Compression spring in stainless steel 1.4310</b> <b>Connecting lead: glass fiber/stainless steel braided 0.22 mm<sup>2</sup> with bend protection</b> <b>Standard cable length: 2500 mm, others on request</b> <b>Temperature range: 0... +400 °C</b>			
	Model number	Diameter/ Immersion length	Sensor type / class	Connection cable
	TTE-564 17P.	6 mm/adjustable 20 - 175 mm (0...+400 °C)	..J1.. = 1x FeCu-Ni, class 2 ..J2.. = 2x FeCu-Ni, class 2	..E = stainless steel braided cable (standard 2.5 m)
TTE-584 17P.	8 mm/adjustable 20 - 175 mm (0...+400 °C)	..K1.. = 1x NiCr-Ni, class 2 ..K2.. = 2x NiCr-Ni, class 2		

Please specify special lengths for bulb or cable in writing!

**Counterpart for thermocouples with bayonet lock**

Material steel 1.0718

<b>Model: TUZ-A1..:</b> connection M 12 x 1 <b>Model: TUZ-A2..:</b> connection G ¼ male	<b>Model: TUZ-B1..:</b> connection M 12 x 1	<b>Model: TUZ-C1..:</b> connection M 12 x 1
<b>Diameter ..6 = 6 mm</b> <b>          ..8 = 8 mm</b>		