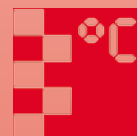


Insertion Thermocouples with Bayonet Lock

MTE-5



- Measuring ranges:
0 ... +400 °C
- Bulbs in
stainless steel 1.4404
- 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 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.

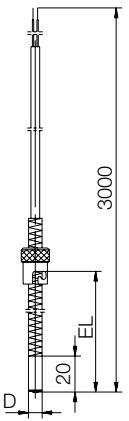
Applications

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

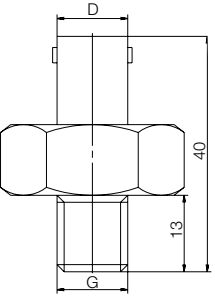
	Protective tube in stainless steel 1.4404 Compression spring in stainless steel 1.4310 Spring Steel with zinc coating Bayonet cap Nickle brass Connecting lead: glass fiber/stainless steel braided 0.22 mm² with bend protection Standard cable length: 3000 mm, others on request Temperature range: 0 ... +400 °C			
	Model number	Diameter/ Immersion length	Sensor type	Connection cable
	MTE-564 17P..	6 mm/adjustable 20 - 175 mm (0 ... +400 °C)	..J1.. = 1x FeCu-Ni ..J2.. = 2x FeCu-Ni ¹⁾	..E = stainless steel braided cable (standard 3 m)
	MTE-584 17P..	8 mm/adjustable 20 - 175 mm (0 ... +400 °C)	..K1.. = 1x NiCr-Ni ..K2.. = 2x NiCr-Ni ¹⁾	

Please specify special lengths for bulb or cable in writing!

¹⁾ Only with model MTE-584...

Counterpart for thermocouples with bayonet lock

Material steel 1.0718 SS304

	Model	Diameter
	TUZ-A1.. = connection M 12 x 1 Total length 30 mm for connection M12x1 TUZ-A2.. = connection G 1/4 male	..6 = 6 mm ..8 = 8 mm