



## MT1/T

### Sheathed thermocouple with TC-mini-connector

Measuring size: temperature

Output: Type K

Highlights: bandable



### Description

The MT1/T mantle thermocouple measures the temperature in the range of -220 up to +1100°C in gasiform or liquid medium. By treatment into fire-resistant magnesium oxide they are resistant to an adverse environmental conditions (pressure, vibration, abrasion) and therefore can guarantee a long lifetime. The thermocouple is flexible, has a very fast response and high accuracy.

### Technical Specifications

Measurement range temp.	-220...+1100°C
Thermocouple	type K (NiCr-Ni) according to DIN EN 60584, IEC 584
Accuracy	class 1 ( $\pm 1,5$ K up to 375°C, else $0,004 *  t $ )
Response time (t90)	approx. 3 s
Isolation	magnesiumoxid (MgO, high compressed)
Electrical connection	TC-Mini-Connector
Mantle material	Inconel 600 (2.4816), other materials on request
Protection type	IP65
Working temperature	Plug: -50...+120°C
Approvals	CE, EAC, RoHS



## Variants

Article Number		
Thermocouple	Diameter	Nominal length
<b>MT1/T-K/1.5-150</b>		
type K	1,5 mm	150 mm
<b>MT1/T-K/1.5-250</b>		
type K	1,5 mm	250 mm
<b>MT1/T-K/1.5-350</b>		
type K	1,5 mm	350 mm
<b>MT1/T-K/1.5-500</b>		
type K	1,5 mm	500 mm
<b>MT1/T-K/3.0-150</b>		
type K	3 mm	150 mm
<b>MT1/T-K/3.0-250</b>		
type K	3 mm	250 mm
<b>MT1/T-K/3.0-350</b>		
type K	3 mm	350 mm
<b>MT1/T-K/3.0-500</b>		
type K	3 mm	500 mm

## Accessories

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KV/E

Compression Clamp



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testo 925

testo 925 - Temperaturmessgerät



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ZT/E

Immersion sleeve





### Dimensional Drawing

