



## MKG/E

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Sheathed thermocouple type K with 2 m glass fibre-/stainless steel cable

Measuring size: temperature

Output: Type K

Highlights: bendable, mantle material: Inconel 600 - other materials on request, with core cable ends



### Description

A temperature measurement by sheath thermocouple is suitable for detection of high temperatures. The thermocouples can be used in gaseous as well as in liquid media. 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. Due to a high mechanical capacity a sheath thermocouple are used predominantly in the industry and in the plant engineering.



## Technical Specifications

Measurement range temp.	-220...+1150°C
Thermocouple	NiCr-Ni, type K according to DIN EN 60584, IEC 584 (potential free)
Accuracy	class 1 ( $\pm 1,5$ K up to 375°C, else $0,004 *  t $ )
Response time (t90)	< 1 s (class 1)
Isolation	magnesiumoxid (MgO, high compressed)
Cable	2 m glass fibre/stainless steel netting (2x0,22 mm <sup>2</sup> , max. +400°C) with core cable ends
Leakage resistance	> 50MΩ, at +20°C (250V DC)
Thermocouple size	Ø 1,0 - 6,0 mm, 150 - 500 mm (other on request)
Mantle material	Inconel 600 (2.4816), other materials on request
Dimensions	Change-over sleeve: 5 x 36 mm (standard), 7 x 36 mm by sleeve diameter Ø6 mm
Protection type	IP54
Installation	immersion sleeve, mounting flange, compression fitting (not in scope of delivery)
Approvals	CE, EAC, RoHS

## Variants

Article Number		
Thermocouple	Sleeve diameter	Sleeve length
<b>MKG/E-1.0/150-2</b>		
type K	1,0 mm	150 mm
<b>MKG/E-1.0/250-2</b>		
type K	1,0 mm	250 mm
<b>MKG/E-1.0/350-2</b>		
type K	1,0 mm	350 mm
<b>MKG/E-1.0/500-2</b>		
type K	1,0 mm	500 mm
<b>MKG/E-1.5/150-2</b>		
type K	1,5 mm	150 mm
<b>MKG/E-1.5/250-2</b>		
type K	1,5 mm	250 mm
<b>MKG/E-1.5/350-2</b>		
type K	1,5 mm	350 mm
<b>MKG/E-1.5/500-2</b>		
type K	1,5 mm	500 mm
<b>MKG/E-3.0/150-2</b>		
type K	3,0 mm	150 mm



Article Number		
Thermocouple	Sleeve diameter	Sleeve length
<b>MKG/E-3.0/250-2</b>		
type K	3,0 mm	250 mm
<b>MKG/E-3.0/350-2</b>		
type K	3,0 mm	350 mm
<b>MKG/E-3.0/500-2</b>		
type K	3,0 mm	500 mm
<b>MKG/E-6.0/150-2</b>		
type K	6,0 mm	150 mm
<b>MKG/E-6.0/250-2</b>		
type K	6,0 mm	250 mm
<b>MKG/E-6.0/350-2</b>		
type K	6,0 mm	350 mm
<b>MKG/E-6.0/500-2</b>		
type K	6,0 mm	500 mm

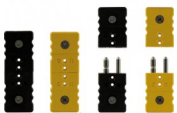
## Accessories



DT/G  
Digital display



KV/E  
Compression Clamp



ST/E  
Connector



### Dimensional Drawing

