



MKS/E

Sheathed thermocouple type K with 2 m silicone-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 silicone cable (max. +180°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	IP65
Installation	immersion sleeve, mounting flange, compression fitting (not in scope of delivery)
Approvals	CE, EAC, RoHS



Variants

Article Number		
Thermocouple	Sleeve diameter	Sleeve length
MKS/E-1.0/150-2		
type K	1,0 mm	150 mm
MKS/E-1.0/250-2		
type K	1,0 mm	250 mm
MKS/E-1.0/350-2		
type K	1,0 mm	350 mm
MKS/E-1.0/500-2		
type K	1,0 mm	500 mm
MKS/E-1.5/150-2		
type K	1,5 mm	150 mm
MKS/E-1.5/250-2		
type K	1,5 mm	250 mm
MKS/E-1.5/350-2		
type K	1,5 mm	350 mm
MKS/E-1.5/500-2		
type K	1,5 mm	500 mm
MKS/E-3.0/150-2		
type K	3,0 mm	150 mm
MKS/E-3.0/250-2		
type K	3,0 mm	250 mm
MKS/E-3.0/350-2		
type K	3,0 mm	350 mm
MKS/E-3.0/500-2		
type K	3,0 mm	500 mm
MKS/E-6.0/150-2		
type K	6,0 mm	150 mm
MKS/E-6.0/250-2		
type K	6,0 mm	250 mm
MKS/E-6.0/350-2		
type K	6,0 mm	350 mm
MKS/E-6.0/500-2		
type K	6,0 mm	500 mm



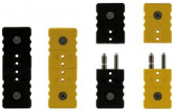
Accessories



DT/G
Digital display



KV/E
Compression Clamp



ST/E
Connector



Dimensional Drawing

