



## KS/E

### Cable Temperature Sensor with Silicone Cable

Measuring size: temperature

Output: passive sensor

Highlights: moisture sealed rolled, Protection sleeve: stainless steel, with core cable ends



### Description

The KS/E cable probe measures the temperature in the range of -50 up to +180°C in gasiform or liquid medium and is available with all current sensors. The stainless steel sleeve protects the sensor e.g. against mechanical impacts, is with the cable moisture sealed rolled and can be mounted by an immersion sleeve, tension band or compression clamp.

### Technical Specifications

Measurement range temp.	-50...+180°C
Sensor	Pt100, Pt500, Pt1000, Ni1000, KTY, NTC, LM235Z (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Cable	silicone cable (2x0,22 mm <sup>2</sup> , max. +180°C) with core cable ends in different lengths
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Material	Protection sleeve: stainless steel VA 1.4571
Dimensions	Protection sleeve: Ø 6 x 50 mm
Protection type	IP67 (moisture sealed rolled)
Storage temperature	-20...+70°C
Installation	immersion sleeve, mounting flange, compression fitting (not in scope of delivery)
Approvals	CE, EAC, RoHS



## Variants

<b>Article Number</b>	
Sensor	Cable
<b>KS/E-10/1</b>	
Pt100 (DIN EN 60751 Cl. B)	1 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-10/10</b>	
Pt100 (DIN EN 60751 Cl. B)	10 m Silikon (2x0,22 mm <sup>2</sup> )
<b>KS/E-10/2</b>	
Pt100 (DIN EN 60751 Cl. B)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-10/3</b>	
Pt100 (DIN EN 60751 Cl. B)	3 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-10/4</b>	
Pt100 (DIN EN 60751 Cl. B)	4 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-10/5</b>	
Pt100 (DIN EN 60751 Cl. B)	5 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-15/2</b>	
Pt500 (DIN EN 60751 Cl. B)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-15/5</b>	
Pt500 (DIN EN 60751 Cl. B)	5 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-20/1</b>	
Pt1000 (DIN EN 60751 Cl. B)	1 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-20/10</b>	
Pt1000 (DIN EN 60751 Cl. B)	10 m Silikon (2x0,22 mm <sup>2</sup> )
<b>KS/E-20/2</b>	
Pt1000 (DIN EN 60751 Cl. B)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-20/3</b>	
Pt1000 (DIN EN 60751 Cl. B)	3 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-20/4</b>	
Pt1000 (DIN EN 60751 Cl. B)	4 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-20/5</b>	
Pt1000 (DIN EN 60751 Cl. B)	5 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-30/2</b>	
Ni1000 (whirl-sintered)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-30/5</b>	
Ni1000 (whirl-sintered)	5 m silicone (2x0,22 mm <sup>2</sup> )



Article Number	
Sensor	Cable
<b>KS/E-40/2</b>	
Ni1000TK5000 (whirl-sintered)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-40/5</b>	
Ni1000TK5000 (whirl-sintered)	5 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-50/2</b>	
NTC1,8k (±1%)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-50/5</b>	
NTC1,8k (±1%)	5 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-60/2</b>	
LM235Z (±1%)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-60/5</b>	
LM235Z (±1%)	5 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-70/2</b>	
NTC20k (±1%)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-70/5</b>	
NTC20k (±1%)	5 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-75/2</b>	
NTC5k (±1%)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-75/5</b>	
NTC5k (±1%)	5 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-80/2</b>	
NTC10k (±1%)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-80/5</b>	
NTC10k (±1%)	5 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-81/2</b>	
KTY 81-110 (±1%)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-81/5</b>	
KTY 81-110 (±1%)	5 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-82/2</b>	
KTY 81-121 (±1%)	2 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-82/5</b>	
KTY 81-121 (±1%)	5 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-83/2</b>	
KTY 81-210 (KTY 10-6) (±1%)	2 m silicone (2x0,22 mm <sup>2</sup> )



Article Number	
Sensor	Cable
<b>KS/E-83/3</b>	
KTY 81-210 (KTY 10-6) ( $\pm 1\%$ )	3 m silicone (2x0,22 mm <sup>2</sup> )
<b>KS/E-83/5</b>	
KTY 81-210 (KTY 10-6) ( $\pm 1\%$ )	5 m silicone (2x0,22 mm <sup>2</sup> )

## Accessories



DT/G  
Digital display



HR/G  
Digital controller for DIN rail with change-over contact



LS/E  
Cables



KV/E  
Compression Clamp



SZ/E  
Accessories



ZT/E  
Immersion sleeve



## Accessories

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MFL/E  
Mounting flange

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MUD/E  
Pt100 temperature transformer 0-10 V / 4-20 mA with double-PG housing

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TH3/Z  
Immersion sleeve with compression clamp



Dimensional Drawing

