



MKP/E

Sheathed thermocouple type K with 2 m PVC-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 PVC cable (max. +105°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 |
| MKP/E-1.0/150-2 | | |
| type K | 1,0 mm | 150 mm |
| MKP/E-1.0/250-2 | | |
| type K | 1,0 mm | 250 mm |
| MKP/E-1.0/350-2 | | |
| type K | 1,0 mm | 350 mm |
| MKP/E-1.0/500-2 | | |
| type K | 1,0 mm | 500 mm |
| MKP/E-1.5/150-2 | | |
| type K | 1,5 mm | 150 mm |
| MKP/E-1.5/250-2 | | |
| type K | 1,5 mm | 250 mm |
| MKP/E-1.5/350-2 | | |
| type K | 1,5 mm | 350 mm |
| MKP/E-1.5/500-2 | | |
| type K | 1,5 mm | 500 mm |
| MKP/E-3.0/150-2 | | |
| type K | 3,0 mm | 150 mm |
| MKP/E-3.0/250-2 | | |
| type K | 3,0 mm | 250 mm |
| MKP/E-3.0/350-2 | | |
| type K | 3,0 mm | 350 mm |
| MKP/E-3.0/500-2 | | |
| type K | 3,0 mm | 500 mm |
| MKP/E-6.0/150-2 | | |
| type K | 6,0 mm | 150 mm |
| MKP/E-6.0/250-2 | | |
| type K | 6,0 mm | 250 mm |
| MKP/E-6.0/350-2 | | |
| type K | 6,0 mm | 350 mm |
| MKP/E-6.0/500-2 | | |
| type K | 6,0 mm | 500 mm |



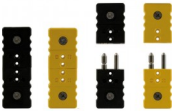
Accessories



DT/G
Digital display



KV/E
Compression Clamp



ST/E
Connector



Dimensional Drawing

