

Pt1000TR050M/E, temperature probe, cable 2 m

code: SN271E

Temperature probe with Pt1000 sensor.

The temperature sensors Pt1000TR050M are designed for measuring temperatures of gaseous and liquid substances.



The temperature range for application of the sensor is -50°C to +400 °C, the maximum temperature may be exceeded up to 450°C in a short time (relates to active measuring part of sensor which is determined by spacer ring).

Around the lead in cable with Teflon insulation must not be temperature higher than 260 °C.

They meet the ingress protection IP64 according to the EN 60 529 standard. The sensors are suitable for temperature measurement in chemically non-aggressive environments, the using must be chosen with regard to temperature and chemical resistant housing and a cable.

Technical data

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| TEMPERATURE SENSOR | |
| Measuring range | -50 to +400 °C, short-term +450 °C, maximum temperature around the cable and above the clamping ring is +260 °C |
| Accuracy | ± (0.15 + 0.002 t) at °C in range -50 to +250 °C ± (0.3 + 0.005 t) at °C in range over +250 °C |
| Accuracy class | A |
| Time response | t0.5 < 5 s (in flowing water at > 0.2 m/s) |
| Type of sensing element | Pt1000 |
| Temperature coefficient | 3850 ppm / °C |
| GENERAL TECHNICAL DATA | |
| Wire connection | 2-wire connection |
| Material of the case | stainless steel DIN 1.4301 |
| Dimensions of the case | length 50 mm; diameter 6 ± 0.1 mm; spacer ring diameter 8 mm |
| Lead-in cable | shielded teflon 2 x 0,22 mm2 |
| Length of lead-in cable | 2 meters |
| Connector | ELKA |
| IP protection | IP64 |
| Warranty | 30 months |