

## Temperature probe Pt1000TR050M/E, ELKA connector, cable 10 meters

code: SN273E

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

|                         |   |
|-------------------------|---|
| 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<br><br>± (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; <br> spacer ring diameter 8 mm   |
| Lead-in cable           | shielded teflon 2 x 0,22 mm2  |
| Length of lead-in cable | 10 meters   |
| Connector               | ELKA  |
| IP protection           | IP64  |
| Warranty                | 30 months   |