Pt1000TR050M/0, temperature probe, cable 1 m



code: SN270

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 determinated 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-therm +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 90/130 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	1 meter
Connector	without connector
IP protection	IP64
Warranty	30 months