Temperature probe Pt1000TR050M/E, ELKA connector, cable 1 meter



code: SN270E

Temperature sensors are developed for measuring temperature of smoke and flue gases in the flue fireplaces, stoves and boilers.
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	ELKA
IP protection	IP64
Warranty	30 months