TR 068C – TEMPERATURE SENSORS WITH A CABLE AND METAL CASE

K19.05en

DESCRIPTION AND APPLICATION

These temperature sensors are designed to measure the temperature of gaseous substances. The maximum temperature range of use of the sensors is 0 to 400 °C, or 500 °C short-term for the active part of the sensor case after the thread. The type of lead-in cable used has teflon insulation with shielding. The temperature in the surroundings of the cable must not exceed 250 °C. The sensors are primarily designed for measuring the temperature of flue gases and combustion products in the flues of fireplaces, stoves and boilers. The method of use must be chosen with regard to the temperature and chemical resistance of the case and lead-in cable.

ACCESSORIES

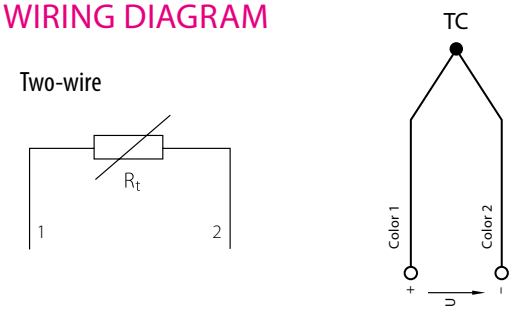
- connectors

DECLARATION, CERTIFICATES, CALIBRATION

Manufacturer provides **EU Declaration of Conformity**.

Calibration – The final metrological inspection – comparison with standards or working instruments – is carried out for all the products. Continuity of the standards and working measuring instruments is ensured within the meaning of the Section 5 of Act no.505/1990 on metrology. The manufacturer offers a possibility to supply the sensors calibrated in SENSIT s.r.o.'s laboratory (according to requirements of the EN ISO/IEC 17025 standard) or in an Accredited laboratory.

WIRING DIAGRAM

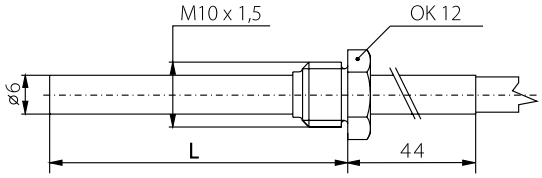


SPECIFICATIONS

Sensor type	TR 068C
Measuring range	0 to 400 °C (500 °C in a short-term)
Type of sensing element	Pt 100, Pt 500, Pt 1000, TC K, TC J
Ingress protection	IP 64 in accordance with EN 60529, as amended
Thread/OK	M 10 x 1.5/OK 12
Case material	stainless steel DIN 1.4301
Diameter of case	6.0 ± 0.1 mm
Length of case L	min. 60 mm, max. 130 mm
Lead-in cable	shielded teflon 2 x 0.14 mm2
Wire resistance	0.3 Ω for 1 m of cable for 2-wire connection

Note: Certain technical specifications of thermocouple sensors (lead wires, IP rating, etc.) may differ with different types.

DIMENSIONAL DRAFT



MODIFICATION AND CUSTOMIZATION

- variable stem design in the area – L length, case material
- accuracy class A, which is limited for Pt sensors up to 250°C

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