

THERMOCOUPLES WITH CONNECTOR MINI

T03.03en

DESCRIPTION AND APPLICATION

These thermocouple temperature sensors with a connector are designed for temperature measurements of gaseous or liquid substances. Temperature range is up to 1 100 °C depending to the thermocouple type and to the production technology used. The temperature sensors with a connector consist of a thermocouple and connector, which is an integral part of the case. The temperature sensors with a connector meet ingress protection IP 50 in accordance with EN 60529, as amended.

The thermocouple temperature sensors with a connector are intended to be used in operation in chemically non-aggressive environment.

ACCESSORIES

- connectors
- screw with collet or cutting rings – if different lengths of stem immersion of the temperature sensor are set

DECLARATION, CERTIFICATES, CALIBRATION

Manufacturer provides **EU Declaration of Conformity**.

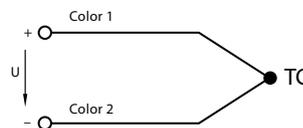
Calibration – The final metrological inspection – comparison with standards or working instruments – is carried out for all the products. Continuity of the standards and working measuring instruments is ensured within the meaning of the Section 5 of Act no.505/1990 on metrology. The manufacturer offers 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.

SPECIFICATIONS

Sensor type	TC 02F	TC 03F	TC 02M	TC 03M
Thermocouple type	"J" and "K" (others on request), single and double			
Ingress protection	IP 50 in accordance with EN 60529, as amended			
Design	jacketed thermocouple with insulated measuring point			
Diameter of the jacket D	1.5; 2; 3; 4.5 and 6 mm			
Length of the measuring part L	from 20 to 300 mm standardly, other on customer's requirements			
Measuring range - on a measuring point	"K" type up to 1 100 °C - according to the diameter of measuring part "J" type up to 700 °C others depending on the type			
Accuracy class	standard 2 in accordance with EN 60584 and DIN 43 710			
Jacket material	Inconel 2.4816 for TC "K", stainless steel DIN 1.4571 for TC "J"			
Sensor body	flexible, shapeable			
Type of the connector	female		male	
Ambient temperature around connector	-30 to 220 °C			

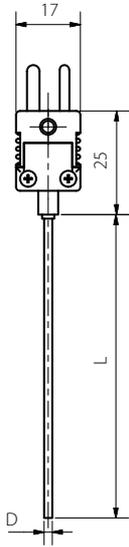


WIRING DIAGRAM

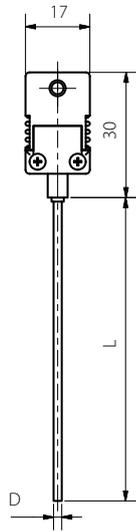


DIMENSIONAL DRAFT

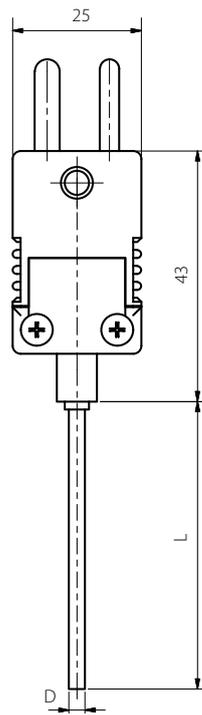
TC 091.OP



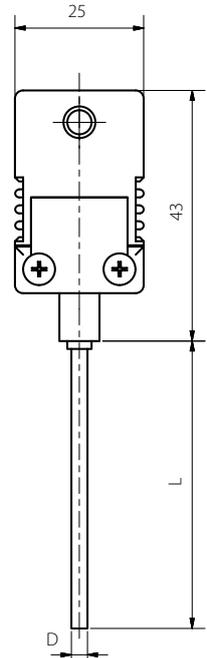
TC 091.SP



TC 092.OP
TC 092.OT



TC 093.OP
TC 093.OT



THERMOCOUPLE TEMPERATURE SENSORS

