

DESCRIPTION AND APPLICATION

These temperature sensors equipped with a cable are intended for contact temperature measurements of solid, liquid or gaseous materials in various industry branches, for example in the food industry, chemical industry or cooling technique, etc.

These sensors consist of a metal case, in which the temperature sensing element is mounted, and a lead-in cable. All types of thin-film resistance sensing elements produced by the company SENSIT s.r.o. can be used for these temperature sensors: Ni 1000, Ni 891, Pt 100, Pt 500, Pt 1000, NTC 20 kΩ etc but other types of sensing elements can be also used e.g. the elements KTY, SMT 160, DALLAS.

The connection of sensors can be by a design 2-wire or 3-wire and 4-wire based on the order.

The basic material of the sensor case is either the stainless steel EN X5CrNi18-10 (DIN 1.4301) or brass. These temperature sensors can be used for measuring temperatures in the range -30 °C to 350 °C. The specific range for each type is described separately. They are designed to operate in a chemically non-aggressive environment.



SPECIFICATIONS

Type of sensing element	Ni 1000/5000, Ni 1000/6180, Ni 891, Pt 100, Pt 500, Pt 1000, NTC 20 kΩ, Ni 2226, Ni 10000
Maximum measuring DC current	Pt 100 – 3 mA; Pt 500 – 1,5 mA; Pt 1000, Ni 1000, Ni 891 – 1 mA; Ni 2226 – 0,7 mA; Ni 10000 – 0,3 mA; NTC 20kΩ – max. power consumption 1 mW
Accuracy class of individual sensors	Ni sensing elements: B class, $\Delta t = \pm (0,4 + 0,007t)$, for $t \geq 0$; $\Delta t = \pm (0,4 + 0,028 t)$, for $t \leq 0$ in °C; Pt sensing elements: B class according to IEC 751, $\Delta t = \pm (0,3 + 0,005 t)$ in °C NTC 20 kΩ: ± 1 °C for the 0 to 70 °C temperature range
Sensor connection	2-wire, 3-wire, 4-wire
Insulation resistance	> 200 MΩ at 500 V DC, 25° ± 3 °C; humidity < 85 %
Version of lead-in cables insulation	silicone -30 to 200 °C
	PVC -30 to 80 °C
	PVC* -30 to 105 °C
	teflon -30 to 250 °C (for a short period 300 °C) glass insulation -30 to 350 °C (for a short period 400 °C)

* with higher temperature resistance.

Maximum stream velocity of the measured medium - air and water vapour / water [m.s⁻¹] **

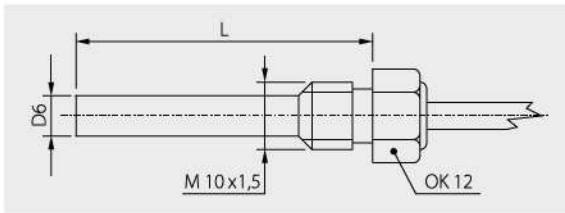
Diameter of the case (mm)	Length of the case [mm]				
	ip to 60	> 60 to 100	> 100 to 160	> 160 to 220	> 220 to 400
Ø 6	20 / 2,0	15 / 1,5	8,0 / 1,0	2,5 / 0,6	0,6 / 0,3
Ø 4	8,0 / 0,8	6 / 0,6	3,2 / 0,4	1,0 / 0,25	0,25 / 0,12

** For sensors with the thread for in-line assembly.

BASIC TYPES OF SENSORS

TG 1 / TG 2 sensors

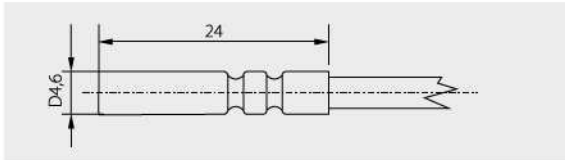
These sensors are designed for universal application. The standard thread M 10 x 1,5 is the part of the sensor case, making possible to install the sensor in tubing or in a welded-on piece without using a thermowell. The TG 1 case is made of brass, the TG 2 case is made of the stainless steel EN X5CrNi18-10 (DIN 1.4301). The lead-in cable is the 2 x 0,22 mm² type having a silicone insulation and a shielding. The shielding is not electrically connected to the case.



Sensor	TG 1	TG 2
Operating temp. range	-30 to 200 °C standard -30 to 150 °C for Ni 2226 and NTC 20 kΩ	
Type of sensing element	all types	
Ingress protection	IP 67 according to EN 60 529	
Thread / OK	M 10 x 1,5 / OK 12	
Material of the case	brass	Stainless steel EN X5CrNi18-10 (DIN 1.4301)
Case length L	10 to 60 mm (by 10 mm)	10 to 100 mm (by 10 mm)
Lead-in cable	shielded silicone 2 x 0,22 mm ²	
Cable lengths	1, 2, 5, 10 m	
Wire resistance	0,16 Ω per 1 m of the cable	
Time response	$\tau_{0,5} < 7$ s	$\tau_{0,5} < 9$ s
	in streaming water at 0,4 m.s ⁻¹	

TG 4, TG 4 TCK sensors

These sensors are designed for universal application. The case diameter is 4,6 mm, the case material is brass. These parameters provide a fast response of the sensing element to temperature changes. The type TG 4 TCK is produced with the sensing element of the type K. As the lead-in cable the type 2 x 0,22 mm² having a silicone insulation and a shielding is used. The shielding is not electrically connected to the case. The type TG 4 TCK has non-shielding lead-in cable.



Operating temp. range	-30 to 200 °C standard -30 to 150 °C for Ni 2226 and NTC 20 kΩ	
Type of sensing element	all types	
Ingress protection	IP 67 according to EN 60 529	
Material of the case	brass	
Diameter/length of the case	4,6 mm / 24 mm	
Lead-in cable	TG 4 shielded silicone 2 x 0,22 mm ² TG4 TCK non-shielded silicone 2 x 0,22 mm ²	
Lengths of the cable	1, 2, 5, 10 m	
Wire resistance	0,16 Ω per 1 m of the cable	
Time response	$\tau_{0,5} < 7$ s in streaming water at 0,4 m.s ⁻¹	

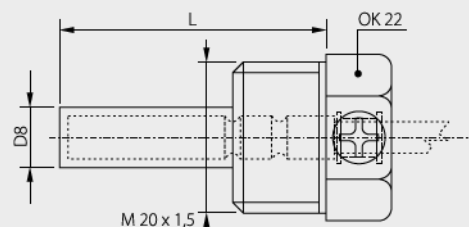
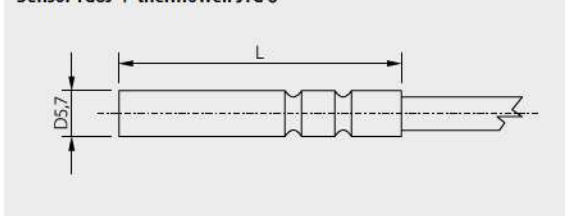
TG 8/TG 8J sensors

These sensors are designed for universal application. The TG 8 case is made of the stainless steel EN X5CrNi18-10 (DIN 1.4301), the case length may be customised up to 500 mm. The lead-in cable is the 2 x 0,34 mm² type having a silicone insulation and a shielding. The shielding is not electrically connected to the case. Optionally JTG 8 thermowells may be delivered for these sensors.

Optionally the lead-in cable type can be changed: PVC - suitable for applications in pools, wells etc., and PVC with higher resistance to oils, fuels and temperatures. The TG8 case is suitable for encapsulation of the special temperature sensing elements - KTY, SMT 160-30 and others.

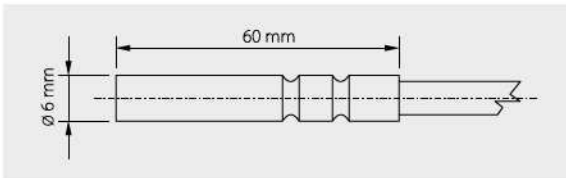
Sensor	TG 8	TG 8J
Application	universal	in the thermowell JTG8
Operating temp. range	-50 to 200 °C standard (Pt 100) -30 to 150 °C for Ni 2226 and NTC 20 kΩ	
Type of sensing element	all types	
Ingress protection	IP 67 according to EN 60 529	
Material of the case	Stainless steel EN X5CrNi18-10 (DIN 1.4301)	
Diameter of the case	5,7 mm	
Length of the case L	40 to 200 mm (by 20 mm)	
Lead-in cable	shielded silicone 2 x 0,34 mm ²	
Cable lengths	1, 2, 5, 10 m	
Wire resistance	0,11 Ω per 1 m of the cable	
Time response	$\tau_{0,5} < 7$ s	$\tau_{0,5} < 45$ s
	in streaming water at 0,4 m.s ⁻¹	

Sensor TG8J + thermowell JTG 8



TG68 sensors

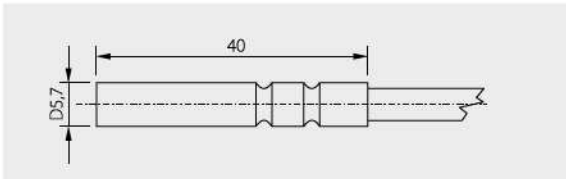
These temperature sensors are intended for temperature measurements of liquid or gaseous materials. The temperature operating range of the sensor is 30 to 105 °C for the cable with the PVC outside insulation and -50 to 150 °C for the cable with the silicone outside insulation. The sensors consist of a metal case a lead-in cable. The case with the diameter 6 mm is made of stainless steel EN X5CrNi18-10 (DIN 1.4301). The connection of the sensors can be two-, three- or four wire. The lead-in cable with the silicone outside insulation is shielded standardly. The shielding is not connected neither with the case nor with the temperature sensing element. The length of the case is 60 mm standardly. The sensors meet the IP 68 ingress protection requirements according to the EN 60 529 standard. They can be immersed permanently up to depth of 5 m.



Type of sensing element	All types
Operating temp. range	-30 to 105 °C PVC cable, -50 to 150 °C silicone cable
Measure current	≤ 1 mA
Sensor connection	2-wire, 3-wire, 4-wire
Ingress protection	IP 68 (h = 5 m) according to 60 529
Insulation resistance	min. 200 MΩ at 500 V DC, 15 to 35 °C and max. relative humidity 80 %
Time response	$\tau_{0,5} = 12$ s, $\tau_{0,5} = 35$ s in streaming water at 0,4 m.s ⁻¹
Material of the case	stainless steel EN X5CrNi18-10 (DIN 1.4301)
Diameter of the case	6 mm
Length of the case	60 mm
Lead-in cable	2-wire 2 x 0,34 mm ² shielded, silicone insulation 3-wire and 4-wire 4 x 0,22 mm ² shielded, silicone insulation 2-wire, 3-wire and 4-wire 4 x 0,35 mm ² non-shielded, PVC insulation
Mass	according to the cable length (min. 0,15 kg)

TGL sensors

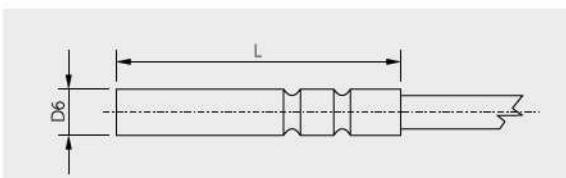
These resistance-type temperature sensors are intended for contact temperature measurements of solid, liquid or gaseous materials in various industry branches. The sensors consist of a metal case, in which the temperature sensing element and a lead-in cable are mounted. The cable of the type 2 x 0,34 mm² having PVC insulation with shielding or the type 2 x 0,35 mm² having PVC insulation without shielding and with higher temperature resistance can be used. The temperature range is given by the type of a lead-in cable - see table. The connection of the sensing elements is 2-wire. The metal case for the lengths 40 mm is made of stainless steel EN X5CrNi18-10 (DIN 1.4301). The metal case of the length 40 mm is made of stainless steel. The thermowell JTG8 with the thread G1/2" can be delivered as an accessory.



Operating temp. range	-30 to 105 °C (cable PVC with higher temp. resistance) -30 to 80 °C (cable PVC)
Type of sensing element	Pt 100, Pt 500, Pt 1000, Ni 1000/6180
Ingress protection	IP 67 according to N 60 529
Material of the case	stainless steel EN X5CrNi18-10 (DIN 1.4301)
Diameter/length of the case	5,7 mm / 40 mm
Lead-in cable	PVC shielded 2 x 0,34 mm ² PVC non-shielded 2 x 0,35 mm ²
Lengths of the cable	1, 2, 5, 10 m
Wire resistance	0,11 Ω per 1 m of the cable
Time response	$\tau_{0,5} < 7$ s in streaming water at 0,4 m.s ⁻¹

TR 046 sensors

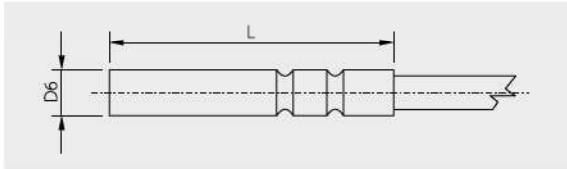
These sensors are designed for universal application. The case is made either of the stainless steel EN X5CrNi18-10 (DIN 1.4301) or the stainless steel EN X2CrNiMo17-12-2 (DIN 1.4404). The case length may be customised up to 500 mm. In comparison with the TG 8 sensor, the case diameter is 6 + 0,1 mm. The lead-in cable is the 2 x 0,34 mm² type having a silicone insulation and a shielding. The shielding is not electrically connected to the case.



Operating temp. range	-30 to 200 °C standard -30 to 150 °C for Ni 2226 and NTC 20 kΩ
Type of sensing element	all types
Ingress protection	IP 67 according to EN 60 529
Material of the case	st. steel EN X5CrNi18-10 (DIN 1.4301) or EN X2CrNiMo17-12-2 (DIN 1.4404)
Diameter of the case	6 + 0,1 mm
Length of the case L	40 to 200 mm (po 20 mm)
Lead-in cable	shielded silicone 2 x 0,34 mm ²
Lengths of the cable	1, 2, 5, 10 m
Wire resistance	0,11 Ω per 1 m of the cable
Time response	$\tau_{0,5} < 7$ s in streaming water at 0,4 m.s ⁻¹

TR 050 A sensors

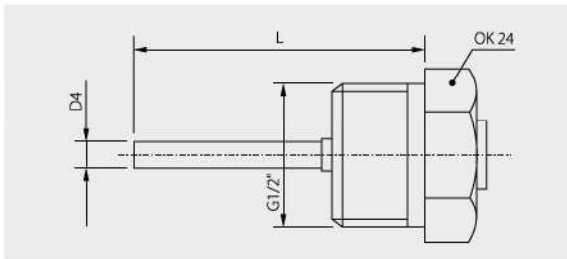
These sensors are designed for temperature measurement of solid and gaseous substances. The case is made of the stainless steel EN X5CrNi18-10 (DIN 1.4301). As the lead-in cable the type LTG 2 x 0,35 mm², metal braided and insulated by glass fibre, is used. The metal braiding (shielding) is electrically connected to the case. This sensor type is not humidity-proof.



Operating temp. range	0 to 350 °C (for short period 400 °C)
Type of sensing element	Pt 100, Pt 500, Pt 1000
Ingress protection	IP 50 according to EN 60 529
Material of the case	st. steel EN X5CrNi18-10 (DIN 1.4301)
Diameter of the case	6 + 0,1 mm
Length of the case L	40, 60 and 100 mm
Lead-in cable	glass fibre insulation and metal braiding 2 x 0,35 mm ²
Lengths of the cable	1, 2, 5, 10 m
Wire resistance	0,11 Ω per 1 m of the cable

TR 080A sensors

These sensors are designed for contact temperature measuring of fluid and gaseous substances. The case design, one of the constituents of which is the G1/2" thread as a standard, makes it possible to directly measure temperatures in air condition channels or tubing, and, at the same time, it provides a fast sensor response to temperature changes ($\tau_{0,5} < 5$ s). The case material is the stainless steel EN X5CrNi18-10 (DIN 1.4301). The lead-in cable is 2 x 0,22 mm² type with a silicone insulation and a shielding. The shielding is not electrically connected to the case.

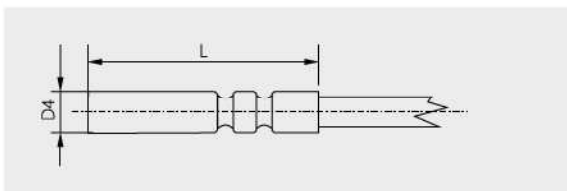


Operating temp. range	- 30 to 180 °C
Type of sensing element	Ni 1000, Pt 100, Pt 500, Pt 1000
Ingress protection	IP 65 according to EN 60 529
Thread / OK	G 1/2" / OK 24
Material of the case	stainless steel EN X5CrNi18-10 (DIN 1.4301)
Time response	$\tau_{0,5} < 5$ s in streaming water at 0,4 m.s ⁻¹
Length of the case L	70 mm
Lead-in cable	shielded silicone 2 x 0,22 mm ²
Lengths of the cable	1, 2, 5, 10 m
Wire resistance	0,16 Ω per 1 m of the cable

SENSORS FOR UNIVERSAL APPLICATION USING A 3 TO 5 mm DIAMETER CASE

TR 024 / TR 024A sensors

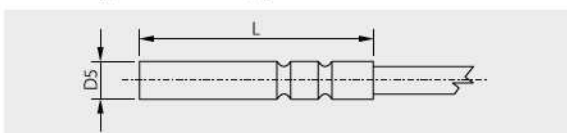
The sensors are encapsulated in a 4 mm diameter case and are intended to be used for contact temperature measurements of solid and gaseous substances. Their advantage is a fast response to temperature changes.



Sensor	TR 024	TR 024A
Operating temp. range	-30 to 250 °C	-30 to 200 °C
Type of sensing element	all types apart from Ni 2226, Ni 10000 a NTC 20 kΩ	
Ingress protection	IP 64 acc.to EN 60 529	IP 65 acc. to EN 60 529
Material of the case	Stainless steel EN 5CrNi18-10 (DIN 1.4301)	
Diameter of the case	4 mm	
Case length	30 to 60 mm (by 10 mm)	
Lead-in cable	shielded teflon 2 x 0,14 mm ²	shielded silicone 2 x 0,22 mm ²
Time response	$\tau_{0,5} < 5$ s in streaming water at 0,4 m.s ⁻¹	

TR 125, TR 125-30 TCK sensors

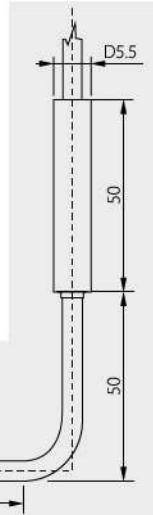
These sensors are encapsulated in a 5 mm diameter case. They are intended to be used for contact temperature measurements of solid, liquid and gaseous substances. The case material is the stainless steel EN X5CrNi18-10 (DIN 1.4301), the sensor's ingress protection is IP 67 according to EN 60 529. The type TR 125-30 TCK is produced with sensing element of the type K.



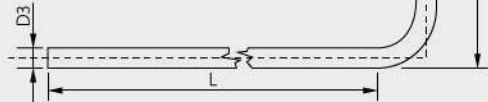
Operating temp. range	-30 to 200 °C standard -30 to 150 °C for Ni 2226 and NTC 20 kΩ
Type of sensing element	All types
Ingress protection	IP 67
Material of the case	stainless steel EN X5CrNi18-10 (DIN 1.4301)
Length of the case L	30 to 200 mm
Lead-in cable	TR 125 silicone, shielded 2 x 0,22 mm ² TR 125-30 TCK silicone, non-shielded 2 x 0,22 mm ²
Wire resistance	0,16 Ω per 1 m of the cable
Time response	$\tau_{0,5} < 7$ s in streaming water at 0,4 m.s ⁻¹

TR 093 and TR 093A sensors

These sensors are encapsulated in a 3 mm diameter case. They are intended to be used for contact temperature measurements of liquid and gaseous substances. Their advantage is a fast response to temperature changes. They are manufactured in two versions, – the TR 093 using a case with a 90° bend and the TR 093A using a straight case.

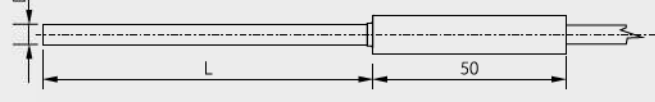


TR 093



Operating temp. range	-30 to 80 °C (for silicone cable up to 150 °C)
Type of sensing element	Ni 1000, Pt 100, Pt 500, Pt 1000
Ingress protection	IP 67 according to EN 60 529
Material of the case	stainless steel EN X5CrNi18-10 (DIN 1.4301)
Time response	$\tau_{0,5} < 4$ s in streaming water at $0,4 \text{ m}\cdot\text{s}^{-1}$
Length of the case L	100 to 300 mm
Diameter of the case	3 mm
Lead-in cable	shielded, with a PVC insulation $2 \times 0,25 \text{ mm}^2$ shielded, with a silicone insulation $2 \times 0,22 \text{ mm}^2$

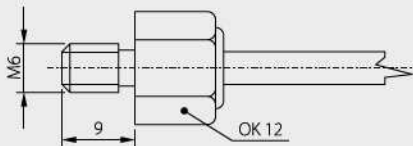
TR 093A



SENSORS FOR MEASURING THE SURFACE TEMPERATURE

TG 6 sensors

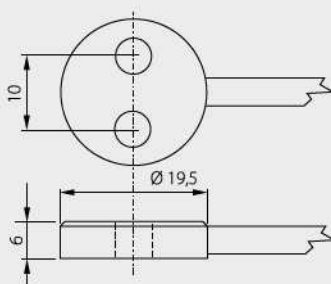
These temperature sensors are designed for contact temperature measurements of solids. The case design with the M 6 thread makes it possible to measure material temperatures near under the surface. The sensor case is made of brass. As a lead-in cable the type $2 \times 0,22 \text{ mm}^2$ provided with a silicone insulation and a shielding is used.



Operating temp. range	-30 to 200 °C standard -30 to 150 °C for Ni 2226 and NTC 20 kΩ
Type of sensing element	All types
Ingress protection	IP 67 according to EN 60 529
Thread / OK	M 6 / OK 12
Length of the thread	9 mm
Material of the case	brass
Lead-in cable	silicone, shielded $2 \times 0,22 \text{ mm}^2$
Wire resistance	$0,16 \Omega$ per 1 m of the cable
Maximum allowable cable tension	1 kg

TG 7 sensors

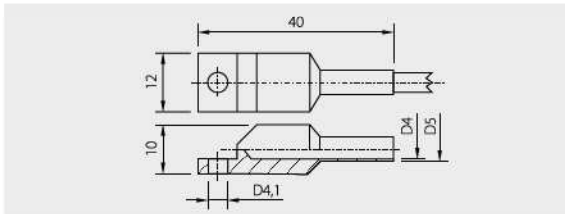
These sensors are designed for contact temperature measurements of objects having a plane and smooth surface. The sensor is mounted by one or two M 4 screws. The design of the sensor ensures the higher accuracy of the contact measurement method. In the case a roughness surface is measured, the accuracy can be increased by means of temperature conducting paste. The shielding is not electrically connected to the case.



Operating temp. range	-30 to 200 °C standard -30 to 150 °C for Ni 2226 and NTC 20 kΩ
Type of sensing element	All types
Ingress protection	IP 65 according to EN 60 529
Material of the case	brass
Dimensions of the case	$\varnothing 19,5 \text{ mm}$, high 6 mm
Lead-in cable	silicone, shielded $2 \times 0,22 \text{ mm}^2$
Lengths of the cable	1, 2, 5, 10 m
Wire resistance	$0,16 \Omega$ per 1 m of the cable
Maximum allowable cable tension	2 kg

TR 141/TR 141B sensors

These sensors are designed for contact measurements of the surface temperature of solids having a plane and smooth surface. The case is made of aluminium-base alloy or of the stainless steel EN X5CrNi18-10 (DIN 1.4301). The assembly of the sensor is made by means of the screw M4. As a lead-in cable the type with glass fibre insulation and metal braiding is used. The shielding is electrically connected to the case.

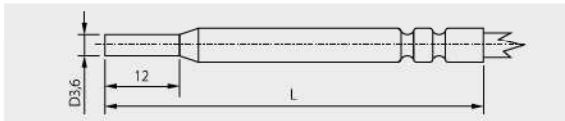


Sensor	TR 141	TR 141B
Operating temp. range	-30 to 350 °C	
Type of sensing element	Pt 100, Pt 500, Pt 1000	
Ingress protection	IP 60 according to EN 60 529	
Length of the case	40 mm	
Material of the case	aluminium-base alloy	stainless steel EN X5CrNi18-10 (DIN 1.4301)
Lead-in cable	glass fibre insulation and metal braiding 2 x 0,35 mm ²	
Wire resistance	0,11 Ω per 1 m of the cable	
Cable heads	H 0,25 / 10 mm	
Maximum allowable cable tension	1 kg	

OTHER SENSORS

TG 9 sensors

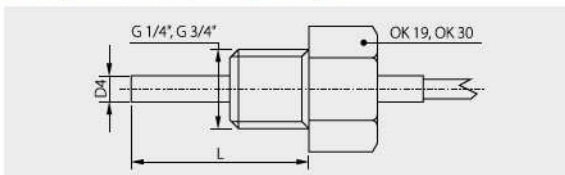
These temperature sensors are designed for contact temperature measurements of liquid and gaseous substances. The resistance-type sensing element is located in a tip having an outer diameter of 3,6 mm, resulting a fast response to temperature changes. The case is made of the stainless steel EN X5CrNi18-10 (DIN 1.4301). The lead-in cable is the 2 x 0,22 mm² type having a silicone insulation and a shielding. The shielding is not electrically connected to the case.



Operating temp. range	-30 to 200 °C standard -30 to 150 °C for NTC 20 kΩ
Type of sensing element	all types apart from Ni 2226 a Ni 10000
Ingress protection	IP 67 according to EN 60 529
Material of the case	stainless steel EN X5CrNi18-10 (DIN 1.4301)
Diameter of the case	5 mm
Case tip diameter	3,6 mm
Time response	$\tau_{0,5} < 4$ s
Lead-in cable	shielded silicone 2 x 0,22 mm ²
Wire resistance	0,16 Ω per 1 m of the cable

TR 129 sensors

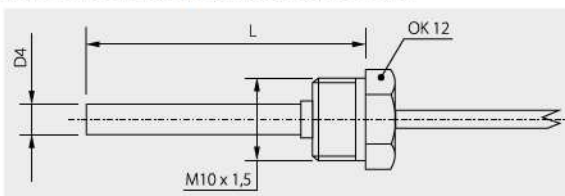
These temperature sensors are designed for contact temperature measurements of liquid and gaseous substances. Thanks to the case design (4 mm in diameter) and the production process a fast response to temperature changes is provided for. The sensors can be used up to 250 °C thanks to the design.



Operating temp. range	-30 to 250 °C
Type of sensing element	Pt 100, Pt 500, Pt 1000
Connection of sens. element	4-wire
Ingress protection	IP 67 according to EN 60 529
Material of the case	stainless steel EN X5CrNi18-10 (DIN 1.4301)
Time response	$\tau_{0,5} < 5$ s
Diameter of the case	4 mm
Length of the case L	100 to 300 mm
Thread / OK	G 1/4", G 3/4" and others / OK 19, OK 30
Lead-in cable	shielded silicone 4 x 0,22 mm ²

TR030 sensors

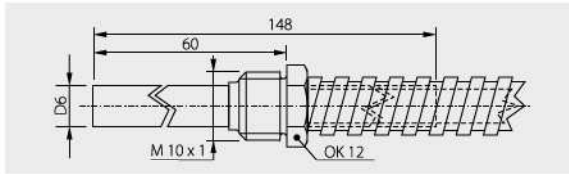
These temperature sensors are designed for contact temperature measurements of liquid and gaseous substances. The case design with a thread, makes it possible to measure temperatures directly in air condition channels or tubing. At the same time, due to the sensor stem diameter of 4 mm, it provides a fast sensor response to temperature changes. The sensor case is made of the stainless steel EN X5CrNi18-10 (DIN 1.4301). In comparison with the other types of cable sensors the resistance signal is conducted by the pair of wires with teflon insulation with diameter of 0,07mm². The wires guarantee the minimum heat removal (in comparison with the sensors with lead-in cable, for example TG2).



Operating temp. range	-30 to 200 °C
Type of sensing element	Ni 1000, Pt 100, Pt 500, Pt 1000
Ingress protection	IP 67 according to EN 60 529
Material of the case	stainless steel EN X5CrNi18-10 (DIN 1.4301)
Diameter of the case	4 mm
Length of the case L	20 to 60 mm
Thread / OK	M 10 x 1,5 / OK 12
Time response	$\tau_{0,5} < 5$ s
Lead-in cable	2 x LT 0,07 mm ² with teflon insulation

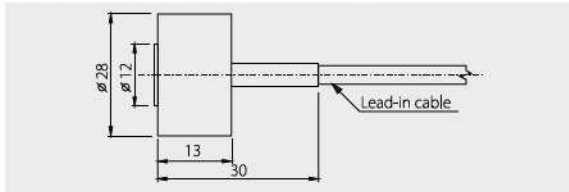
TR 068 sensors

These temperature sensors are designed for temperature measurements of flue gases. The basic case material is the stainless steel EN X5CrNi18-10 (DIN 1.4301). The lead-in cable is protected by an armour tube all over length.



TR 158 sensors

The temperature sensors TR 158 are designed for contact temperature measurements of smooth and plane surface of ferromagnetic objects. The sensors consist of a magnetic retaining system, aluminum housing with the sensing element inside and a supply cable. The housing diameter is 12 mm. Contact with the measured surface is ensured by elastic location of measuring housing. The temperature range for application of the sensor is -30°C to 200 °C and it can be exceeded to 180 °C for a short time. The sensors are intended for operation in chemically non-aggressive environments.



Operating temp. range	0 to 400 °C
Type of sensing element	Pt 100, Pt 500, Pt 1000
Connection of sens.element	2-wire
Ingress protection	IP 67 according to EN 60 529
Material of the case	stainless steel EN X5CrNi18-10 (DIN 1.4301)
Diameter of the case	6 mm
Thread / OK	M 10 x 1 / OK 17
Lead-in cable	non-shielded, with a silicone insulation 2 x 0,5 mm ²

Operating temp. range	-30 to 150 °C
Type of sensing element	all types
Ingress protection	IP 67 according to EN 60 529
Holding force of the sensor	20 N
Pressure on the surface	3 N
Material of the housing	nickel plated steel 11373 / aluminium-base alloy
Dimensions of the housing	Ø 26 x 13 mm
Lead-in cable	shielded silicone 2 x 0,22 mm ²
The standard length of cable	2, 5, 10 m
Wire resistance	0,16 Ω per 1 m of the cable

HOW TO ORDER

Cabled temperature sensors

	2	A	A	A	B	B	C	0	E	F	F	F	F	G	G
TG sensors	G	0	1												
	-	-	-												
	G	0	9												
TR sensors	0	0	1												
	-	-	-												
	1	1	5												
Ni 1000/5000 (N1), class B				0	1										
Ni 1000/6180 (N1A), class B				0	3										
Pt 100/3850, class B				0	6										
Pt 500/3850, class B				0	9										
Pt 1000/3850, class B				1	1										
Ni 891				1	4										
NTC 20 kΩ				1	5										
Ni 2226				1	6										
TC "K"				8	2										
Unthreaded						0									
G 1/2"						1									
G 3/8"						2									
M 20 x 1,5						3									
M 27 x 2						4									
G 1/4"						5									
M 10 x 1,5						6									
Tinned wire-ends								0							
Wire-end sleeves								1							
Case length in mm									0	0	0	0			
Cable length v XX.X m													1,0 m	0	1
													2,0 m	0	2
													5,0 m	0	5
													10,0 m	1	0

WHEN ORDERING GOODS, THE FOLLOWING DATA ARE REQUIRED:

Required data	Example
Product type	TG 8
Case length	40 mm
Sensing element type	Pt 1000
Cable length	2 m

The accuracy class is the B class if not stated otherwise.

DELIVERY

The sensors are packed in PVC bag one by one. Together with the product can be provided: calibration sheet.