

По вопросам продаж и поддержки обращайтесь:

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Ижевск (3412)26-03-58	Орел (4862)44-53-42	Ульяновск (8422)24-23-59
Казань (843)206-01-48	Оренбург (3532)37-68-04	Уфа (347)229-48-12
Калининград (4012)72-03-81	Пенза (8412)22-31-16	Хабаровск (4212)92-98-04
Калуга (4842)92-23-67	Пермь (342)205-81-47	Челябинск (351)202-03-61
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Киров (8332)68-02-04	Рязань (4912)46-61-64	Ярославль (4852)69-52-93
	Самара (846)206-03-16	

Единый адрес: psx@nt-rt.ru **Веб-сайт:** www.pixsys.nt-rt.ru

Датчики температуры ТСК PIXSYS. Техническое описание

6mm Diameter

The thermocouple is an electric circuit consisting of two metal conductors made of different materials welded at one end. Due to the Seebeck effect, when there is a difference in temperature between the hot joint (welding point) and the cold joint at the other end of the conductors, an electromotive force is generated, which depends on the type of the two metals. To measure temperature with a thermocouple, the cold joint needs to be at a known temperature, so that the electromotive force generated depends solely on the hot joint.



The type K thermocouple consists of a positive conductor in Nickel-Chrome alloy and a negative conductor in Nickel-Aluminium. Suitable for measuring at high temperatures in oxidising environments.

Ordering codes

2000.90.537

BLI-TCK-6X100-A316-0000-3 m TTS cable

2000.90.068

BLI-TCK-6X100-I600-0000-3 m TTS cable

2000.90.538

BLI-TCK-6X200-A316-0000-5 m TTS cable

2000.90.025

BLI-TCK-6X200-I600-0000-5 m TTS cable

Sliding junction ordering codes

2000.30.003

Sliding junction Ø 6x1/8" GAS

2000.30.006

Sliding junction Ø 6x1/4" GAS

2000.30.027

Sliding junction Ø 6x1/4" NPT

2000.30.009

Sliding junction Ø 6x1/2" GAS

Main features

Sheath diameter

6mm

Immersion material

Steel AISI 304 / AISI 316 / Inconel 600

Internal insulation

MgO Magnesium oxide >20Mohm @ 25°C (500Vdc)

Sensor

Thermocouple K (NiCr-NiAl / Cromel-Alumen), Wire 1,02mm, insulated junction

GSC cable

Silicon rubber, operating temperature -40 ... 250°C

TTS cable

Glass fiber, operating temperature -200 ... 500°C

Sealing

40mm bend proof spring between cable and stem

Response time

1,9 seconds (BS 1904/1984/CEI60751)

Operating range

A316 -100..+600°C / I600 -100..+800°C.

Easy-Up code

Code 2352 (-100..+600°C - A316) , Code2351 (-100..+800°C - I600)

Diameter 15mm with DIN head

The thermocouple is an electric circuit consisting of two metal conductors made of different materials welded at one end. Due to the Seebeck effect, when there is a difference in temperature between the hot joint (welding point) and the cold joint at the other end of the conductors, an electromotive force is generated, which depends on the type of the two metals. To measure temperature with a thermocouple, the cold joint needs to be at a known temperature, so that the electromotive force generated depends solely on the hot joint.



The type K thermocouple consists of a positive conductor in Nickel-Chrome alloy and a negative conductor in Nickel-Aluminium. The alumina stem version is ideal for use in ovens/systems with high temperatures of up to 1250°C.

Ordering codes

2000.00.083

TCK-15x250-KER1-MN/INOX-DIN/B-IS2,30

2000.00.015

TCK-15x300-KER1-MN/INOX-DIN/B-IS2,30

2000.00.008

TCK-15x400-KER1-MN/INOX-DIN/B-IS2,30

2000.00.009

TCK-15x500-KER1-MN/INOX-DIN/B-IS2,30

2000.00.056

TCK-15x600-KER1-MN/INOX-DIN/B-IS2,30

Main features

Stem diameter

15mm

Immersion material

Alumina 610 max 1500°C + Coupling steel AISI 316

Internal insulation

Ceramic insulator

Sensor

Thermocouple K (NiCr-Ni), Wire Ø3.20mm, Insulated junction

Response time

120 seconds

Head

DIN/B aluminium alloy, epoxodic painting

Sealing

IP66

Operating temperature

0°...+1250°C

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