

По вопросам продаж и поддержки обращайтесь:

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Воронеж (473)204-51-73	Новокузнецк (3843)20-46-81	Томск (3822)98-41-53
Екатеринбург (343)384-55-89	Новосибирск (383)227-86-73	Тула (4872)74-02-29
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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
Кемерово (3842)65-04-62	Ростов-на-Дону (863)308-18-15	Череповец (8202)49-02-64
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

Инфракрасные датчики PC21-151-301 PIXSYS. Техническое описание

Non-contact temperature transmitters



For measuring temperatures without contact, this range of small infrared sensors is suitable for industrial applications. Within the steel casing, they can operate with good accuracy and linearity in ambient temperatures of up to 50°C. A range of spots (reading areas) are available as well as two temperature scales with normalised output 4...20mA.

Accessories include air purge collars to keep the lens clean and fixed or adjustable brackets. The addition of the power terminal available on Pixsys instruments simplifies wiring and allows direct 2-wire connection.

Ordering codes

2000.20.018

PC21MT-0 sensor spot 2:1 out 4...20mA/0...250°C

2000.20.019

PC151MT-0 sensor spot 15:1 out 4...20mA/0...250°C

2000.20.022

PC151HT-0 sensor spot 15:1 out 4...20mA/0...500°C

2000.20.024

PC301MT-0 sensor spot 30:1 out 4...20mA/0...250°C

2000.20.021

PC301HT-0 sensor spot 30:1 out 4...20mA/0...500°C

2000.20.012

AIR PURGE COLLAR, accessory for the cleaning of reading optics.

Main features

Measuring ranges

Low(L) -20...100°C; Medium(M) 0...250°C; High(H) 0....500°C

Emissivity

Fixed at 0,95 (modifiable on controller OFFSET parameter)

Optical resolution

PC21 2:1; PC151 15:1; PC301 30:1

Accuracy

+/- 1% of reading or +/- 1°C whichever greater

Response time

240 ms (90% response)

Spectral range

8 to 14 um

Power supply

24Vdc (min. 9Vdc max. 28 Vdc)

Cable

1 m, two wires plus display

Operating temperature

0...50°C

Material

Stainless Steel AISI304

Non-contact temperature sensor with cooling sleeve

For measuring temperatures without contact, this range of small infrared sensors is suitable for industrial applications. The steel housing complete with cooling sleeves can operate with high precision and linearity at ambient temperatures of between 140°C to 250°C. Different spots (reading areas) and temperature scales are available with output normalised at 4...20mA.



Accessories include air purge collars to keep the lens clean and fixed or adjustable brackets. The addition of the power terminal available on Pixsys instruments simplifies wiring and allows direct 2-wire connection.

Ordering codes

2000.20.023

PC151HT-0 sensor spot 15:1 out 4...20mA/0...500°C with cooled housing

2000.20.025

PC301HT-0 sensor spot 30:1 out 4...20mA/0...500°C with cooled housing

2000.20.012

AIR PURGE COLLAR, accessory for the cleaning of reading optics

Main features

Measuring ranges

Low(L) -20...100°C; Medium(M) 0...250°C; High(H) 0...500°C

Emissivity

Fixed at 0,95 (modifiable on controller OFFSET parameter)

Optical resolution

PC21 2:1; PC151 15:1; PC301 30:1

Accuracy

+/- 1% of reading or +/- 1°C whichever is greater

Response time

240 ms (90% response)

Spectral response

8 to 14 μ m

Power supply

24Vdc (min. 9Vdc max. 28 Vdc)

Cable

1 m two wires plus display

Operating temperature with cooled housing

0...170°C (air cooling); 0...250°C (water cooling)

Material

Stainless Steel AISI304

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