

PROBES

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temperature sensors

WHAT IT IS

Temperature probes, in the different models available, are devices supplying, through a physical process, temperature measurement to the instruments to which they are connected.

HOW IT IS MADE

NTC SENSOR

- Operating range: -50...110 °C

PTC SENSOR

- Operating range: -55...150 °C

Ni100 THERMORESISTOR

- Operating range: -50...150 °C

Pt100 THERMORESISTOR

- Operating range: -80...600 °C

THERMOCOUPLE J

- Operating range: 0...600 °C

THERMOCOUPLE K

- Operating range: 0...1200 °C

DESCRIPTION

Temperature probes, in the different models available, are devices supplying, through a physical process, temperature measurement to the instruments to which they are connected.

Temperature probes are manufactured by using selected materials. The modern constructive technology ensures the product a very long life, even in particularly heavy industrial application.

The very large available range allows easy choice both in price and in function, always proper to the needs in all the application fields.

The operating range includes temperatures from -60 to 1200 °C.

Type of sensor	Range (°C)
NTC probe	-50...110
PTC semiconductor	-55...150
Ni100 thermoresistor	-50...150
Pt100 thermoresistor	-80...600
Thermocouple J	0...600
Thermocouple K	0...1200

Type of cable

Plastic PVC	-30...80
Silicon	-60...200
Vetrotex	0...350

Containing material

ABS	-55...80
AISI 304	-80...600
INCONEL	0...1200

NTC PROBES - GENERAL FEATURES AND MODELS

Type of sensor	Type of cable	Containing material	Range (°C)
NTC resined	PVC (light grey)	Plastic waterproof	-30...80
NTC resined	PVC (light grey)	Steel AISI 304	-30...80
NTC resined	Silicon (light blue)	Steel AISI 304	-50...110

PTC PROBES - GENERAL FEATURES AND MODELS

Type of sensor	Type of cable	Containing material	Range (°C)
PTC (A) for air	PVC (black)	Sensor conductor	-30...80
PTC (A/P) protected for air	PVC (black)	Steel AISI 304	-30...80
PTC (A/P) S protected for air	Silicon (dark grey)	Steel AISI 304	-55...150
PTC (W) wall mounting	/	Plastic	-55...80
PTC (T) for tube mounting	PVC (black)	ABS Plastic	-20...80
PTC (S) resined	Silicon (dark grey)	Steel AISI 304	-55...150
PTC (N) resined	PVC (black)	Steel AISI 304	-30...80



Ni100 THERMORESISTOR - GENERAL FEATURES AND MODELS

Type of sensor	Type of cable	Containing material	Range (°C)
Ni100 (A/P) protected for air	PVC	Steel AISI 316	-30...80
Ni100 (A/P) S protected for air	Silicon	Steel AISI 316	-50...150
Ni100 (N) standard	PVC	Steel AISI 316	-30...80
Ni100 (N) S standard	Silicon	Steel AISI 316	-50...150
Ni100 (W) wall mounting	/	Plastic	-50...80

Pt100 THERMORESISTOR - GENERAL FEATURES AND MODELS

Type of sensor	Type of cable	Containing material	Range (°C)
Pt100 (A/P) S protected for air	Silicon	Steel AISI 316	-60...200
Pt100 (A/P) V protected for air	Vetrotex	Steel AISI 316	0...350
Pt100 (N) S standard	Silicon	Steel AISI 316	-60...200
Pt100 (N) V standard	Vetrotex	Steel AISI 316	0...350
Pt100 (N) V3P special	Vetrotex - Protected	Steel AISI 316	0...600
Pt100 (W) wall mounting	/	Plastic	-40...80

THERMOCOUPLE J - GENERAL FEATURES AND MODELS

Type of sensor	Type of cable	Containing material	Range (°C)
J (N) thermocouple Fe-Co	Vetrotex	Steel AISI 316	0...600 *

THERMOCOUPLE K - GENERAL FEATURES AND MODELS

Type of sensor	Type of cable	Containing material	Range (°C)
K (N) thermocouple Cr-Al	Vetrotex	Steel AISI 316	0...600 *
K (N) thermocouple Cr-Al	Vetrotex	ICONEL	0...1200 *

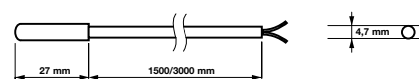
* only for sensor

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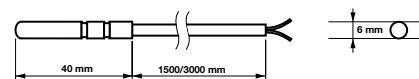
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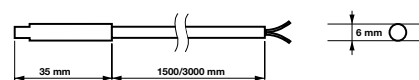
NTC probe 4,7x27



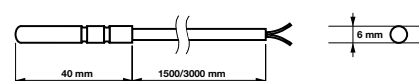
NTC probe 6x40



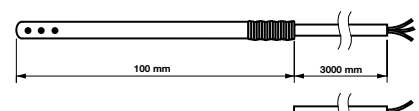
PTC probe for air



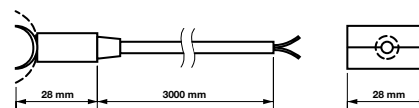
PTC probe resined



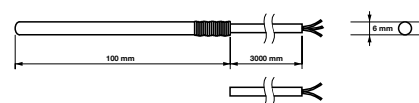
PTC probe protected for air



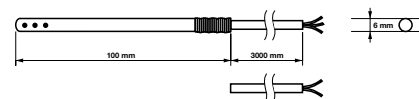
PTC probe for tube mounting



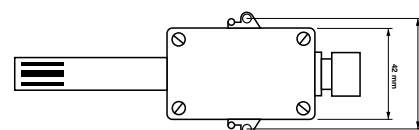
Ni100/Pt100 probe standard



Ni100/Pt100 probe protected for air



PTC/Ni100/Pt100 wall mounting



TcJ/TcK probe

