



PT100, NTC 4-20 mA converters, temperature probes

Technical Features

Circuit is encapsulated and provide conversion from PT100 3 wires to 4-20 mA 2 Wires.

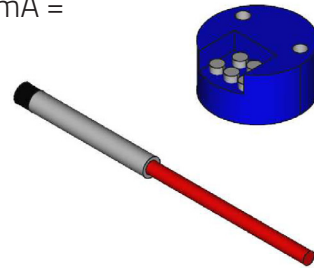
Applications

4-20 mA converters for PT100 are used to convert the signal of the temperature sensor (3 wires) to a 4-20 mA (2 wire):

- Generic monitoring of temperatures (in concrete, outside, on metal...);
- Correlating temperature effect and sensor output (e.g. inclinometers, crackmeters etc. etc.).

Components

- Diameter 30 mm
- Input PT100 3 wires;
- Output 4-20 mA 2 wires;
- Sensitivity trimmer;
- Zero trimmer;
- Supply 12-24 Vdc
- Conversion PT100 -50 / + 100 °C (4 mA = -50°C, 20 mA= +100°C)



Technical Specifications

Description	Platinum resistance thermometer (PT100)	Thermistor
Type of sensor	RTD 100 Ω	NTC3K
Range	From - 50°C to +80°	From - 50°C to +80°
Resolution	0.1°C	0.1°C
Accuracy	+/-0.2°C	+/-1°C
Diameter sheath	12 mm	12 mm
Length	80 mm	80 mm
Material	Stainless steel or nickel plated brass	Stainless steel or nickel plated brass
Cables	2x2x0.25 pur, shielded 5 mm	

Codes & Part Numbers

P/N 2019000	PT100 Thermometer
P/N 2019001	PT100 Thermometer immersion
P/N 2019002	PT100 converter for model 2019000
P/N 2019003	PT100 converter for model 2019001