

**S020**

# Temperature Transmitter



## Two Versions

The compact sensor solution with  
4 ... 20 mA output available in 2 sizes

## Industrial Equipment for manifold Applications

The temperature transmitter is a sensor which is designed to measure the temperature of liquid, vapour, compressed air and gases within the permissible operating parameters.

- Measure the inlet / outlet temperature of dryers
- Measure the outlet temperature of compressors

## Benefits

- ✓ High accurate and affordable industrial temperature sensor
- ✓ Easy installation in compressed air systems
- ✓ 4 ... 20 mA transmitter
- ✓ Wide range of -50... +250 °C

## Compression Fitting



There are different types of compression fittings available:

- Compression fitting 6mm, G1/2", PTFE ring, 0.6 MPa
- Compression fitting 6mm, G1/2", metal ring, 1.6 MPa

## Technical Data

### Measurement

#### Temperature

Accuracy	0.5 % o.RGD + 0.2 % FS
Measuring range	-50 ... +200 °C
Sensor	PT 1000 Class A

### Signal / Interface & Supply

#### Analog output

Signal	4 ... 20 mA, (2 wire loop powered)
Scaling	4 mA = -50 °C, 20 mA = +200 °C
Load	Max 250 Ohm

#### Supply

Voltage supply	16 ... 30 VDC
Current consumption	Max. 20 mA

#### Data interface

Connection	M12 connector
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### General data

#### Material

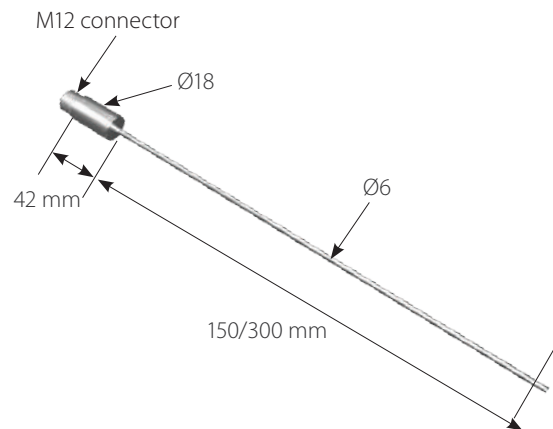
Process connection	Stainless steel 1.4571
Housing	Stainless steel 1.4571
Metal parts	Stainless steel 1.4571

#### Miscellaneous

Electrical connection	M12 connector
Protection class	IP65
Approvals	CE
Process connection	6 mm Fitting / G 1/2"
Weight	0.08 kg

#### Operating conditions

Ambient temperature	-40 ... +90 °C
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## Ordering

Please use the following table to assist in placing your order with our sales staff.

### S020 Temperature Transmitter

Order No.	Description
S693 0003	Temperature Transmitter, -50 ... +200 °C, 4 ... 20 mA loop powered, 6 x 150 mm sensor tube
S693 0004	Temperature Transmitter, -50 ... +200 °C, 4 ... 20 mA loop powered, 6 x 300 mm sensor tube
A554 6003	Compressor fitting 6 mm, G1/2", PTFE ring, 0.6 MPa
A554 6004	Compressor fitting 6 mm, G1/2", metal ring, 1.6 MPa
A553 0104	Sensor cable, 5 m with M 12 connector, open wires, AWG 24 (0.2 mm <sup>2</sup> )



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