

Thermometer transmitter

For general industrial applications

Model TT.M50P200

Applications

- Machine building, plant and vessel construction
- Propulsion technology, hydraulics
- Heating and cooling circuits, air-conditioning technology

Special features

- Measuring ranges from -50 ... +200 °C
- Accuracy 0.5%
- Output signal 4 ... 20 mA
- Factory configured
- Electrical connection: cable outlet 2 m

Description

Thermometer transmitter Model TT.M50P200 intended for industrial use for the purpose of monitoring and alarming the temperature level of liquid and gaseous media in the range -50 ... +200 °C [-58 ... +392 °F]. It can be used for pressures up to 100 bar. All electrical components are protected against splash water and are designed to withstand vibration. The thermowell with a fixed threaded connection provides direct installation in the process. All wetted parts are made of stainless steel, body parts are stainless steel.

The integrated electronics convert the temperature-dependent resistance signal of the measuring element into a linear unit signal. For the signal outputs 4 ... 20 mA are available.



Specifications

| | |
|-----------------------------------|---------------------------------|
| Model | TT.M50P200 |
| Output signals | 4 ... 20 mA |
| Accuracy | ±0.5 % of measuring span |
| Power supply U_B | DC 24 V |

Thermowell

| | |
|----------------------------------|----------------------------------|
| Material | Stainless steel |
| Diameter | 8 mm |
| Process connection | Mounting thread, fixed |
| | Material: Stainless steel |
| | M20 x 1.5 |
| Insertion length | 115 mm |
| Static operating pressure | max. 63 bar |

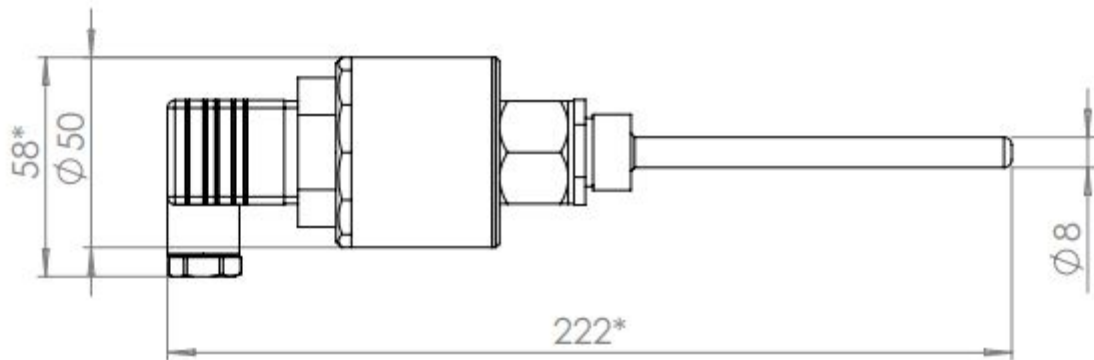
Ambient conditions

| | |
|-----------------------------|--|
| Working temperature | -50 ... +200 °C [-58 ... +392 °F] |
| Ambient temperature | -40 ... +85 °C [-40 ... +185 °F] |
| Storage temperature | -20 ... +70 °C [-4 ... +158 °F] |
| Vibration resistance | To 10 g per EN 60068-2-6 |
| Shock resistance | To 100 g |

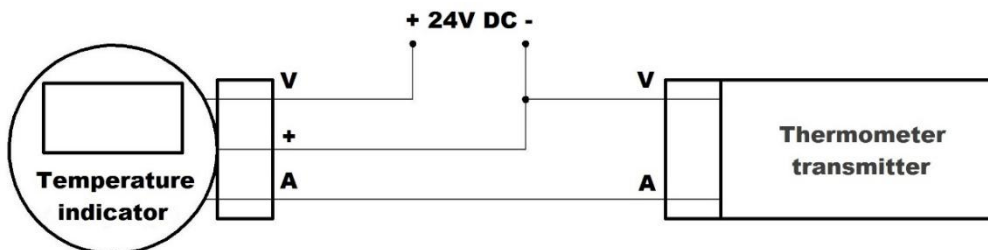
Transmitter case

| | |
|------------------------------|--------------------------|
| Materials | Anodized aluminum |
| Diameter | 58 mm |
| Electrical connection | cable outlet 2 m |
| Protection class | IP65 |

Dimensions in mm



Electrical connection



The specifications given in this document represent the state of engineering at the time of publishing. We reserve the right to make modifications to the specifications and materials.