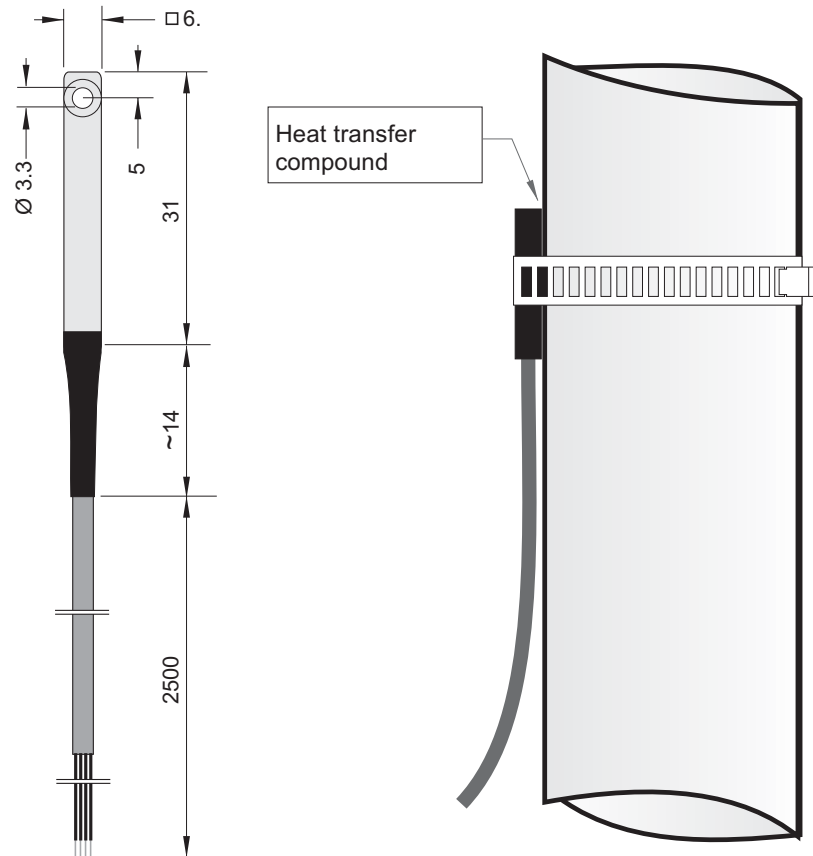


Temperature sensor Pt-100 (IEC 751) for surface mounted installation

MG-3000-ANL

Mi-128gb / 2008-04-28



Application

The sensor is designed to be used when measuring the water temperature from the outside of the water pipe.

Design

The sensor is designed for measuring the water temperature when installation and measuring must be done from the outside of the water pipe.

The sensor consists of a Pt-100 temperature sensing element mounted in a square 6x6 mm alumina stick with a fixed 4-wire silicon cable.

The sensor can be connected using two, three or four-wire connection

Mounting

The pipe must be clean from rust and paint where the sensor shall be mounted. Apply a thin layer of the attached heat transfer compound on the location.

Fix the sensor tightly against the pipe using the metal ribbon and clamp.

After completed installation it is recommended to insulate the sensor and pipe together, specially when measuring streaming water or other fluids.

Technical data

Temperature range: -50...180 °C
Sensor: Pt-100 Class B
Max. measuring current: 5 mA
Dimension: LxWxH 45 x 6 x 6 mm
Mounting hole: Ø 3,3 mm
Connection cable: 4-wire cable,
silicon-insulated.
Cable length: 2500 mm

Connections

WHITE and WHITE/BLUE wire is connected to one side of the Pt-100 sensor.
RED and RED/BLUE wire is connected to the other side of the Pt-100 sensor.

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