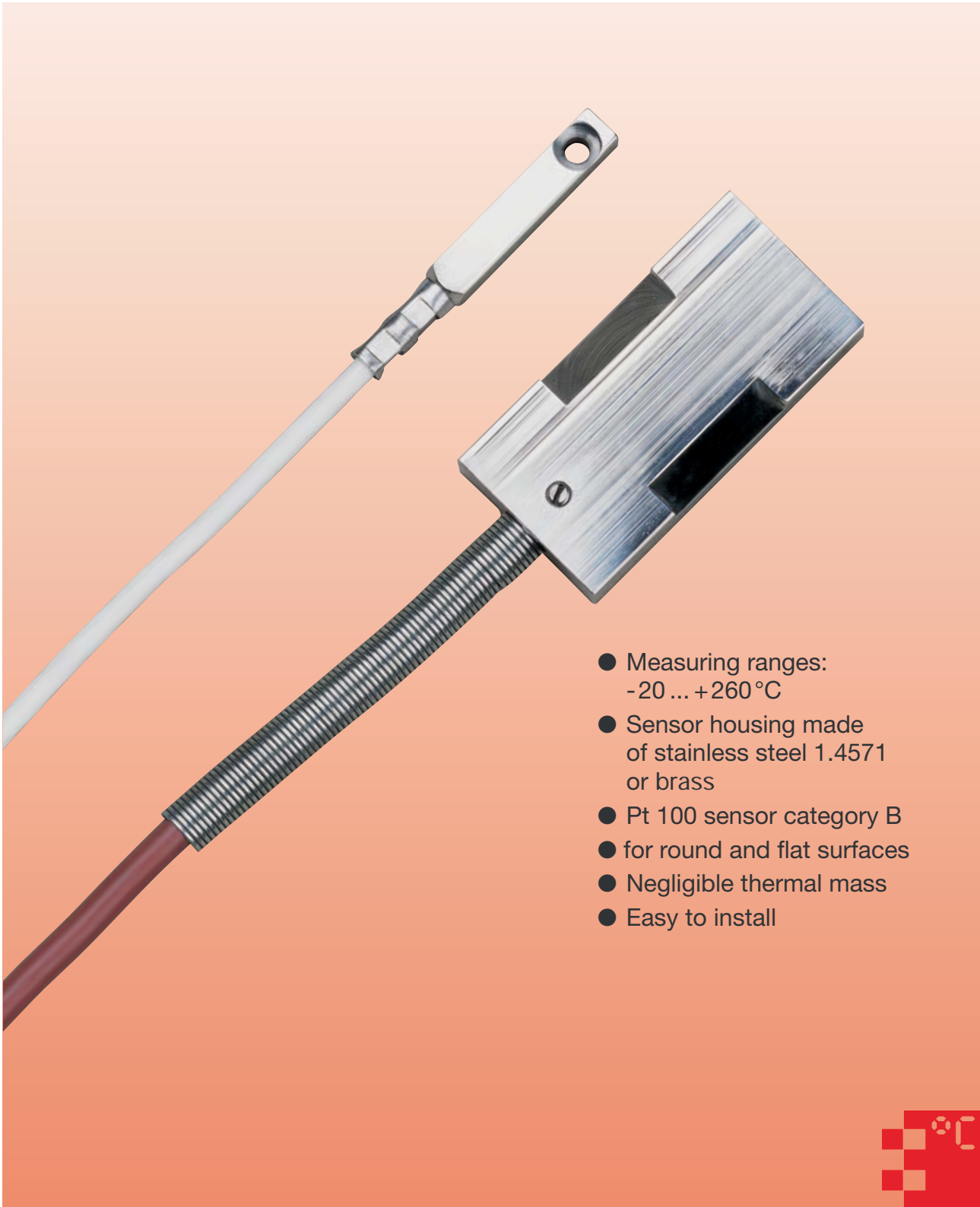




Contact Resistance Thermometers



measuring
•
monitoring
•
analysing



- Measuring ranges:
-20 ... +260 °C
- Sensor housing made of stainless steel 1.4571 or brass
- Pt 100 sensor category B
- for round and flat surfaces
- Negligible thermal mass
- Easy to install



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Model:
TWA

Description

The contact resistance thermometers can be attached in a variety of ways. They allow temperature measurement on closed piping and other round or flat surfaces. Simple installation with taut ribbons or hose clips means that no mechanical intervention is required at the measuring position. Contact resistance thermometers with mounting bores are a minor exception.

The indirect temperature measurement avoids flow-related errors. Furthermore, pressure and chemical influences from the medium have no effect on the temperature detector.

The influence on the target is minimum due to the negligible thermal mass of the sensor. The use of thermolube is recommended to improve heat transfer. Large temperature differences between measured medium and the environment

influence the measurement. The measuring position should be insulated in such cases.

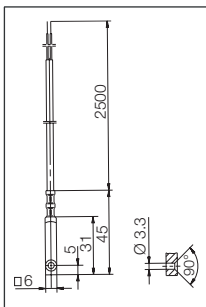
Depending on the version, the connecting leads are suitable for dry or moist rooms. The junction between connecting lead and protective tube is strain relieved.

Pt100 temperature sensors according to IEC 751, category B in three-wire circuitry are used as standard.

Applications

Areas of application are to be found in heating installation, furnace and apparatus construction, machine construction and building installations as well as in industry in general.

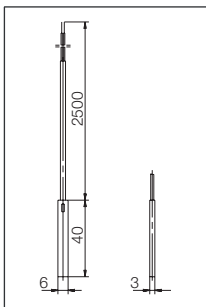
Contact resistance thermometer with mounting bore



Protective housing made of aluminium Connecting lead: PTFE insulated 0.22 mm ² Standard cable length: 2500 mm, others upon request Temperature range: -20 ... +260 °C				
Model number	Length	Sensor type/category	Wiring	Connection cable
TWA-R6A 03012P	31 mm	1 x Pt 100, category B	2-wire	PTFE-insulated cable (standard 2.5 m)

Please specify cable special length in writing

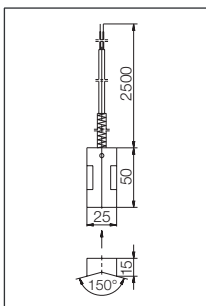
Contact resistance thermometer with heat-resistant PTFE connecting lead



Protective housing made of stainless steel 1.4571 Connecting lead: PTFE 0.22 mm ² Standard cable length: 2500 mm, others upon request Temperature range: -20 ... +260 °C				
Model number	Length	Sensor type/category	Wiring	Connection cable
TWA-R44 04012P	40 mm	1 x Pt 100, category B	2-wire	PTFE-insulated cable (standard 2.5 m)

Please specify cable special length in writing

Contact resistance thermometer with silicone lead and strain relief



Protective housing made of brass Connecting lead: silicone 0.22 mm ² with bend protection Standard cable length: 2500 mm, others upon request Temperature range: -20 ... +180 °C				
Model number	Length	Sensor type/category	Wiring	Connection cable
TWA-R0A 05012S	50 mm	1 x Pt 100, category B	2-wire	Silicone insulated cable (standard 2.5 m)

Please specify cable special length in writing