Zertifiziertes QM-System
DIN EN ISO 9001
Zertifikat-Nr. 01017

Contact Resistance Thermometers

KOBOLD

measuring
•
monitoring
•
analysing

TWA

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

T2

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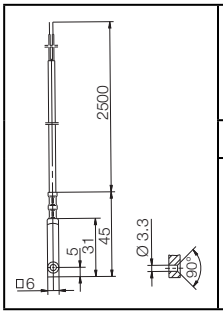
Description

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, classe 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

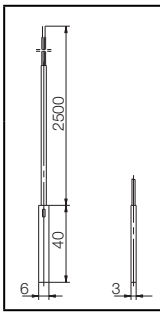


Protective housing made of brass
Connecting lead: PTFE insulated 0.22 mm²
Standard cable length: 2500 mm, others on request
Temperature range: -20 ... 260 °C

Model number	Length	Sensor type/classe	Wiring	Connection cable
TWA-R6A 03012P	31 mm	1x Pt100, classe 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

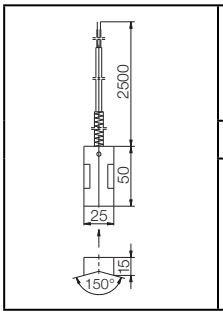


Protective housing made of stainless steel 1.4571
Connecting lead: PTFE insulated 0.22 mm²
Standard cable length: 2500 mm, others on request
Temperature range: -20 ... 260 °C

Model number	Length	Sensor type/classe	Wiring	Connection cable
TWA-R44 04012P	40 mm	1x Pt100, classe B	2-wire	PTFE-insulated cable (standard 2.5 m)

Please specify cable special length in writing

Contact resistance thermometer with silicone lead and bend protection



Protective housing made of brass
Connecting lead: Silicone 0,22 mm² with bend protection
Standard cable length: 2500 mm, others on request
Temperature range: -20 ... 180 °C

Model number	Length	Sensor type/classe	Wiring	Connection cable
TWA-R0A 05012S	50 mm	1x Pt100, classe B	2-wire	Silicone insulated cable (standard 2.5 m)

Please specify cable special length in writing

1/06-2014