



Immersion and Insertion Resistance Thermometers with Connecting Lead



measuring
•
monitoring
•
analysing



- Measuring ranges: -20 ... +350 °C
- Bulbs made of stainless steel 1.4571
- Pt 100 sensor category B (category A optional)
- Connection: cable
- Steam proof version (for sterilization processes)



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Model:
TWE-6..7..8

Description

The immersion and insertion resistance thermometers comprise a rugged sensor made of stainless steel. 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 are used as standard. Other categories or versions are also available with Pt 500 and Pt 1000. These sensors are available as single or double resistance thermometers.

The immersion and insertion resistance thermometers are available in two-, three- or four-wire circuitry.

Applications

Immersion and insertion resistance thermometers are particularly suited for measuring temperature in liquid and gaseous media. 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.

Immersion/insertion resistance thermometer
angular sensor

	Bulb made of stainless steel 1.4571, Ø 6 mm Connecting lead: stainless steel braided 0.22 mm ² Standard cable length: 2500 mm, others upon request Temperature range: -20 ... +350 °C				
	Model number	Immersion length	Sensor type/category	Wiring	Connection cable
	TWE-664 060..	60 mm	..1..= 1 x Pt 100, category B	..2..=2-wire ..3..=3-wire	..E= braided stainless steel cable (standard 2.5 m)
	TWE-664 xx0..	other length	..2..=2x Pt 100, category B	..4..=4-wire*	

Please specify special lengths for bulb and/or cable in writing

*with 1 x Pt 100 only

Immersion/insertion resistance thermometer
steam proof version

	Bulb made of stainless steel 1.4571, Ø 6 mm Connecting lead: PTFE insulated, 0.22 mm ² Standard cable length: 2500 mm, others upon request Temperature range: -20 ... +150 °C				
	Model number	Immersion length	Sensor type/category	Wiring	Connection cable
	TWE-764 100..	100 mm	..1..= 1 x Pt 100, category B	..2..=2-wire	..P= PTFE insulated cable (standard 2.5 m)
	TWE-764 xx0..	other length	..2..=2x Pt 100, category B	..3..=3-wire	

Please specify special lengths for bulb and/or cable in writing

Immersion/insertion resistance thermometer
straight version

	Bulb made of stainless steel 1.4571, Ø 6 mm Connecting lead: PTFE insulated, 0.22 mm ² , with bend protection or PVC-insulated, 0.22 mm ² without bend protection - Standard cable length: 2500 mm, others upon request Temperature range: PTFE cable: -20 ... +260 °C; PVC cable: -20 ... +70 °C				
	Model number	Immersion length	Sensor type/category	Wiring	Connection cable
	TWE-864 050..	50 mm	..1..= 1 x Pt 100, category B	..2..=2-wire	..P=PTFE insulated cable (standard 2.5 m)
	TWE-864 100..	100 mm		..3..=3-wire	
	TWE-864 200..	200 mm	..2..=2x Pt 100, category B	..4..=4-wire*	..C=PVC insulated cable (standard 2.5 m)
TWE-864 xx0..	other length				

Please specify special lengths for bulb and/or cable in writing

*with 1 x Pt 100 only