

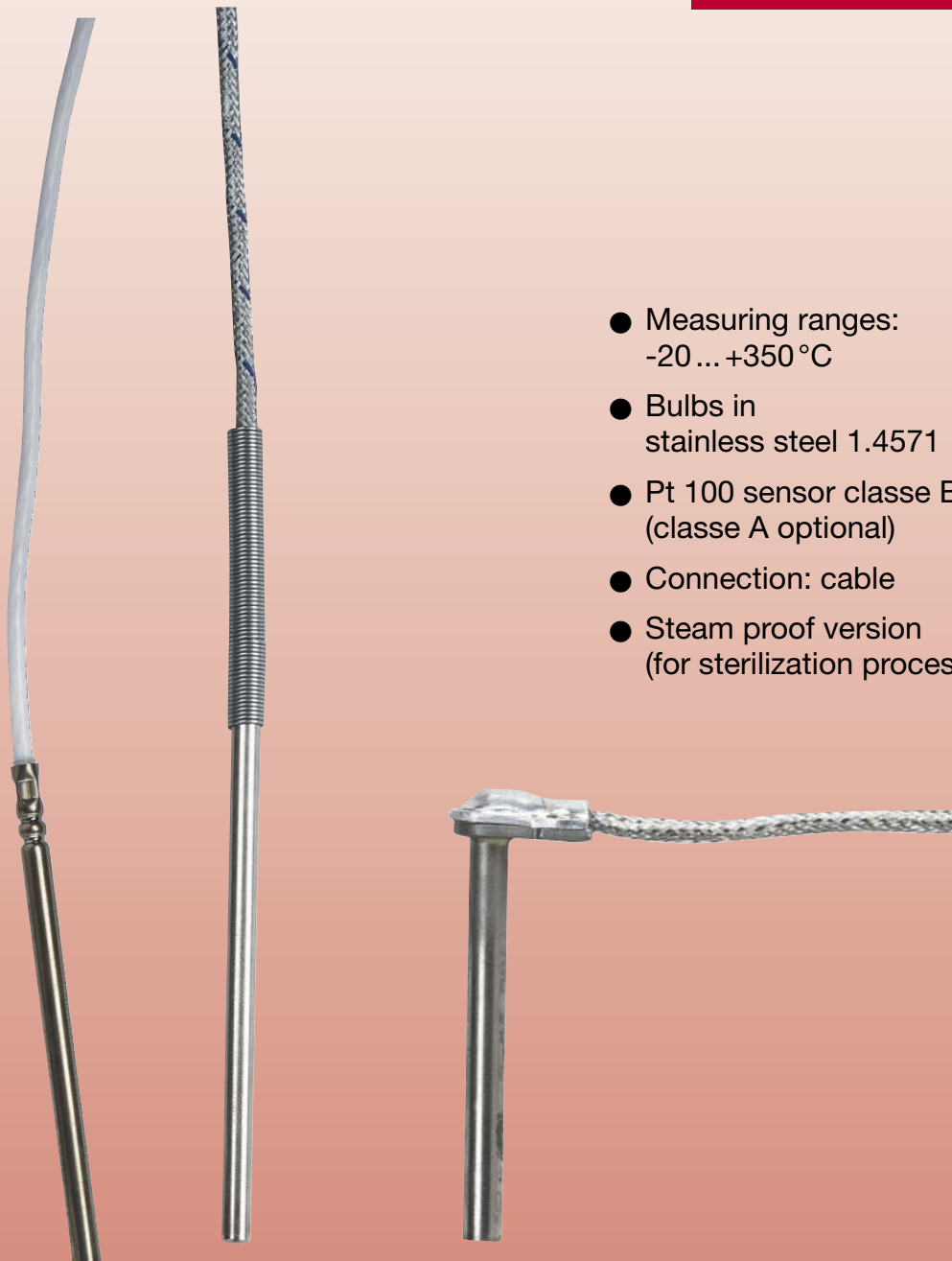


## Immersion and Insertion Resistance Thermometers with Compensating Lead



measuring  
•  
monitoring  
•  
analysing

TWE-6/-7/-8



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



T2

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### 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, classe B are used as standard. Other classes or versions are also available with Pt500 and Pt1000.

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.

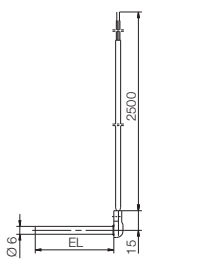
### Applications

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

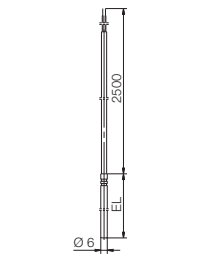
Angular sensor

	<b>Bulb in stainless steel 1.4571, Ø 6 mm</b> <b>Connecting lead: glass silk/stainless steel braided 0,22 mm<sup>2</sup></b> <b>Standard cable length: 2500 mm, others on request</b> <b>Temperature range: -20...+350 °C</b>				
	Model number	Immersion length	Sensor type/class	Wiring	Connection cable
	TWE-664 060.. TWE-664 xx0..	60 mm other length	..1.. = 1 x Pt100, classe B ..2.. = 2 x Pt100, classe B	..2.. = 2-wire ..3.. = 3-wire ..4.. = 4-wire*	..E = stainless steel braided cable (standard 2.5 m)

\* with 1x Pt100 only  
Please specify special lengths for bulb and/or cable in writing!

### Immersion/insertion resistance thermometer

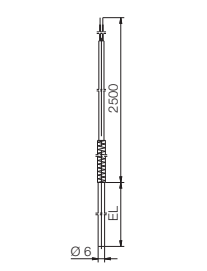
Steam proof version

	<b>Bulb in stainless steel 1.4571, Ø 6 mm</b> <b>Connecting lead: PTFE insulated 0,22 mm<sup>2</sup></b> <b>Standard cable length: 2500 mm, others on request</b> <b>Temperature range: -20...+150 °C</b>				
	Model number	Immersion length	Sensor type/class	Wiring	Connection cable
	TWE-764 060.. TWE-764 xx0..	100 mm other length	..1.. = 1 x Pt100, classe B ..2.. = 2 x Pt100, classe B	..2.. = 2-wire ..3.. = 3-wire	..P = PTFE insulated cable (Standard 2.5 m)

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

### Immersion/insertion resistance thermometer

Straight version

	<b>Bulb in stainless steel 1.4571, Ø 6 mm</b> <b>Connecting lead: PTFE insulated 0,22 mm<sup>2</sup> with bend protection or PVC insulated, 0,22 mm<sup>2</sup> without bend protection</b> <b>Standard cable length: 2500 mm, others on request</b> <b>Temperature range: PTFE cable: -20...+260 °C; PVC cable -20...+70 °C</b>				
	Model number	Immersion length	Sensor type/class	Wiring	Connection cable
	TWE-864 050..	50 mm,	..1.. = 1 x Pt100, classe B	..2.. = 2-wire	..P = PTFE insulated cable (Standard 2.5 m)
	TWE-864 100..	100 mm,			
	TWE-864 200..	200 mm,	..2.. = 2 x Pt100, classe B	..3.. = 3-wire	..C = PVC insulated cable (Standard 2.5 m)
TWE-864 xx0..	other length	..4.. = 4-wire*			

\* with 1x Pt100 only  
Please specify special lengths for bulb and/or cable in writing!