

# Temperature sensor W25

Head type B with protection tube // for SolarTemp 850 // 0...600 °C



W25

## Highlights

- For exhaust gas temperature measurement in diesel and gas engines → Up to 600 °C Media temperature
- Very high vibration resistance → Reliable and long-lasting operation
- Customer-specific variant possible → Simple integration into plants / systems

## Technical data

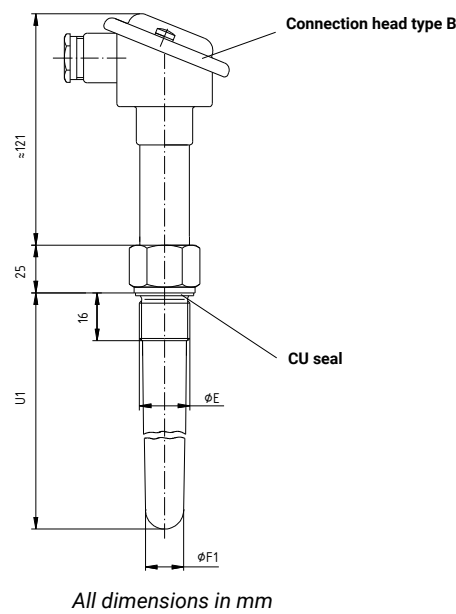
<b>Type</b>	Temperature sensor with protection tube type 2 for SolarTemp 850
<b>Measuring range</b>	0...600 °C
<b>Measuring medium</b>	Exhaust gases marine diesel engines
<b>Protection tube length</b>	100...200 mm
<b>Protection tube diameter</b>	14, 17 or 20 mm conical
<b>Process connection</b>	G½, G¾, or M33 x 2
<b>Nominal pressure</b>	PN 25
<b>Medium temperature</b>	0...600 °C
<b>Ambient temperature</b>	-50...85 °C
<b>Storage temperature</b>	-25...70 °C
<b>Degree of protection according to EN 60529</b>	IP54

## Electrical data

<b>Measuring element</b>	1 x Pt1000 / 2-wire / Class B 2 x Pt1000 / 2-wire / Class B
<b>Measuring insert</b>	Interchangeable
<b>Accuracy</b>	Class B / $\pm(0.30 \text{ K} + 0.005 \times \text{T})$
<b>Electrical connection</b>	Head type B with ceramic socket

# Technical drawing

W25

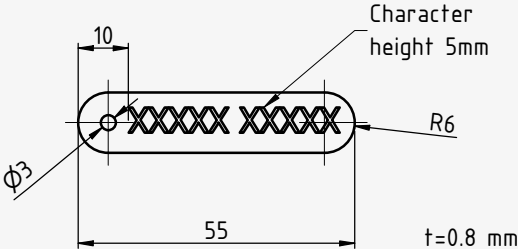
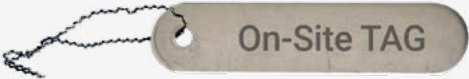


## Materials

Materials	
Not in contact with media	
Connection head	Die-cast aluminium, silver painted
In contact with media	
Process connection	Stainless steel 1.4571 or steel 1.7335
Protection tube	Stainless steel 1.4571 or steel 1.7335

## Article numbers

Order code								
<b>Type</b>								
Resistance thermometer	W							
<b>Diameter F1</b>								
14 / 17 mm (up to nominal length U1: 150 mm)	14							
17 / 23 mm (up to nominal length U1: 150 mm)	17							
20 / 23 mm (from nominal length U1: 200 mm)	20							
<b>Material</b>								
Stainless steel 1.4571 (max. 450 °C)	3							
Steel 1.7335, heat resistant (max. 600 °C)	5							
<b>Sensor element</b>								
2 x Pt1000 2-wire / Class B			P53					
1 x Pt1000 2-wire / Class B			P54					
<b>Nominal length U1</b>								
100 mm				100				
150 mm				150				
200 mm				200				
<b>Measuring insert</b>								
Interchangeable					2			
<b>Electrical connection</b>								
Head type B with ceramic socket							B0	
<b>Process connection E</b>								
G½								2T6
G¾								3T6
M33 x 2								FT6
<b>Example order number</b>	<b>W</b>	<b>14</b>	<b>3</b>	<b>P53</b>	<b>100</b>	<b>2</b>	<b>3</b>	<b>2T6</b>

Accessories	Order number
<div><p><b>Measuring point designation</b> Laser-inscribed stainless steel plate with fixing wire for easy attachment to measuring points</p><p>→ <b>Scope of delivery:</b> Designation plate inscribed according to specification and enclosed fixing wire (sealing wire)</p><p>→ <b>Fastening:</b> Wire (included in delivery), alternatively sealing, cable ties or similar (not included in delivery)</p><p>→ <b>Materials:</b> Plate stainless steel 1.4571, wire stainless steel</p><p>→ <b>Dimensions:</b> Plate 55 x 10 x 0.8 mm, wire length 180 mm</p><p>→ <b>Inscription:</b> one-sided, single-line, max. 11 characters, character height 5 mm, designation width max. 40 mm, letters, numbers, symbols, barcodes, QR codes</p><p>→ <b>Transmission of designations:</b> digital list, file formats Excel, Word or CSV</p></div> <div></div>	<p><b>ONSITETAG</b></p>