Temperature sensor W14

With connection cable // for SolarTemp 850 // 0...600 °C



W14

Highlights

- For exhaust gas temperature measurement in diesel and gas engines → Up to 600 °C media temperture
- Very high vibration resistance → Reliable and long-lasting operation
- Extremely resistant connecting cable → Enables use in harsh environments

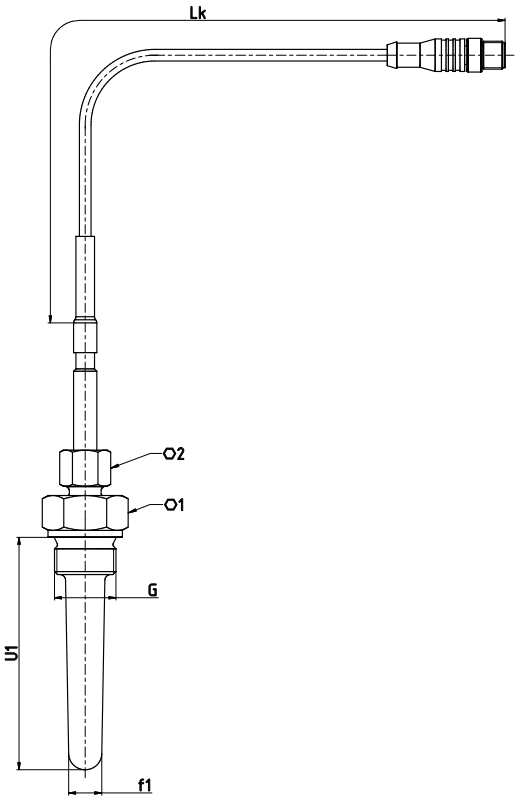
Technical data	
Type	Temperature sensor with connection cable for SolarTemp 850
Measuring range	0...600 °C
Measuring medium	Exhaust gases marine diesel engines
Immersion tube length	100...200 mm
Immersion tube diameter	14, 17 or 20 mm conical
Process connection	G½, G¾, or M33 x 2
Nominal pressure	PN 25
Medium temperature	0...600 °C
Ambient temperature	-40...85 °C
Storage temperature	-25...70 °C
Degree of protection according to EN 60529	IP54
Approvals	
DNV	

Electrical data	
Measuring element	1 x Pt1000 / 2-wire / Class B 2 x Pt1000 / 2-wire / Class B
Measuring insert	Interchangeable
Accuracy	Class B / ±(0.30 K + 0.005 x T)
Electrical connection	FEP cable

Grubatec AG - Gewerbehaus Ergolz, Wölferstrasse 5 - 4414 Füllinsdorf
Telefon: +41 (0)55 617 00 80 - www.grubatec.ch - sales@grubatec.ch

Technical drawing / Dimensions

W14



All dimensions in mm

Dimensions [mm]					
Type	**U1**	**⬡1**	**⬡2**	**G**	**f1**
W14	100, 150 or 200	27, 32 or 41	19	G¾A, G½A, M33x2	Ø 14, Ø 17 or Ø 20

Materials

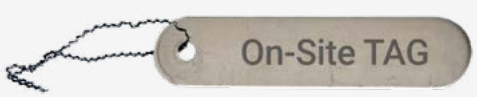
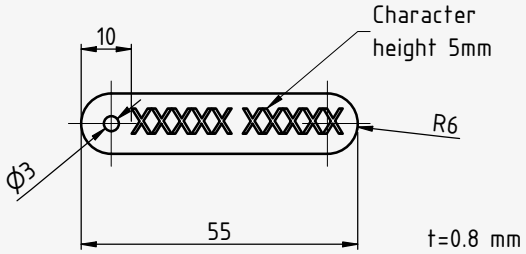
Materials	
In contact with media	
Process connection	Stainless steel 1.4571 or steel 1.7335
Protection tube	Stainless steel 1.4571 or steel 1.7335

Article numbers

Order code									
Type									
Resistance thermometer	W								
Diameter f1									
14 / 17 mm conical up to 150 mm		14							
17 / 23 mm conical up to 150 mm		17							
20 / 23 mm conical from 150 mm		20							
Material									
Stainless steel 1.4571 (max. 450 °C)			3						
Steel 1.7335, heat resistant (max. 600 °C)			5						
Sensor element									
2 x Pt1000 2-wire / Class B				P53					
1 x Pt1000 2-wire / Class B				P54					
Nominal length U1									
100 mm					100				
150 mm					150				
200 mm					200				
Measuring insert									
Interchangeable						2			
Electrical connection									
M12 x 1, FEP cable							38		
Process connection G									
G½								2	
G¾								3	
M33 x 2								F	
Cable length Lk									
2.0 m									03
3.0 m									05
5.0 m									09
Example order number	**W**	**14**	**3**	**P53**	**100**	**2**	**38**	**2**	**03**

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Accessories

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