

WM8 // with M8 plug // -10...80 °C



WM8

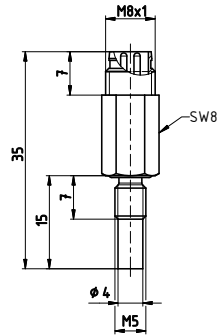
Your advantages

Type	WM8
	<ul style="list-style-type: none"> • The sensor is intended for measuring media in heating and air-conditioning systems as well as cooling circuits of machines and systems. • Safe and very compact electrical connection via M8 plug • Simple alignment of the electrical connection due to optionally available swivel screw connection • High protection class against moisture, dust and dirt ingress • Very short response time → Ideal for controlling rapidly changing process parameters • Very high vibration resistance → Reliable and long-lasting operation

Technical data	
Type	Temperature sensor with M8 plug
Measuring range	-10...80 °C
Measuring medium	Water and aqueous liquids, non-aggressive gases
Immersion tube length	15 mm
Immersion tube diameter	4 mm
Process connection	M5 or M10
Nominal pressure	PN 10
Medium temperature	-10...80 °C
Ambient temperature	-10...80 °C
Storage temperature	-25...70 °C
Degree of protection according to EN 60529	IP54

Electrical data	
Measuring element	1 x Pt1000 / 2-wire 1 x NTC 5k
Measuring insert	Not interchangeable
Accuracy	Class A / $\pm(0.15 \text{ K} + 0.002 \times t)$ Class B / $\pm(0.30 \text{ K} + 0.005 \times t)$ NTC 5k $\pm 0.5 \text{ °C}$ (Beta 1 %)
Electrical connection	M8 plug, 3-pole

WM8

**Materials****In contact with media****Process connection**

Stainless steel 1.4571

Protection tube

Stainless steel 1.4571

Order code								
Type								
Resistance thermometer		W						
Diameter								
4 mm		04						
Material								
Stainless steel 1.4571			3					
Sensor element								
1 x Pt1000 2-wire / Class B				P12				
1 x NTC 5k				N01				
Resistance thermometer / Class A				AXX				
Nominal length								
15 mm					015			
Measuring insert								
Not interchangeable						0		
Electrical connection								
M8, 3-pole							X0	
Process connection								
M5								L
M10 (with swivel screw connection)								X
Example order number		W	04	3	P12	015	0	X0
								L

