Temperature & humidity sensor WHS MultiSensor with M12 connector // -40...85 °C // 0...100 % RH

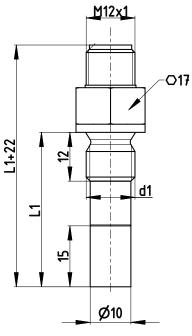


Your advantages					
Туре	WHS				
	The sensor is designed to measure temperature and humidity				
	in air supply channels and air conditioning systems				
	Low heat dissipation through process connection made of glass fibre reinforced plastic				
	→ clearly smaller measuring error				
	 Digital 1-wire bus interface with integrated protection circuit → Lower wiring cost 				
	Exchangeable filter protects against dust and dirt				
	Safe and compact electrical connection through M12 connector				
	 Short response time → Ideal for controlling rapidly changing process parameters 				
	 Very high vibration resistance → Reliable and durable operation 				
	Type approved according to DIN EN 50155				

Technical data							
Туре	MultiSensor for temperature and humidity with M12 connector						
Measuring range → Temperature → Humidity	-4085 °C 0100 % RH						
Measuring medium	Ambient air (non-aggressive gases)						
Immersion tube length	38 mm						
Immersion tube diameter	10 mm						
Process connection	M12 x 1.5						
Nominal pressure	n.a. (atmospheric pressure)						
Medium temperature	-4085 °C						
Ambient temperature	-4085 °C						
Storage temperature	-4085 °C						
Degree of protection according to EN 60529	IP40 (IP65 connector side, connected)						

Elektrische Daten						
Sensor element	1 x digital sensor for temperature and 1 x digital sensor for humidity					
Measuring insert	Not interchangeable /					
	Replaceable filter cap					
Accuracy						
→ Temperature	±0.5 K					
→ Humidity	±3 % RH @ 80 % RH (typ.)					
Electrical	Flange plug M12 x 1,					
Connection	4-pole, nickel-plated brass					

WHS



All dimensions in mm

Materials		
In contact with media		
Process connection	connection Plastic nipple made of glass fibre reinforced plastic (Ultramid A3X2G5)	
Immersion tube	Brass CW508L	
Filter cap	Sintered bronze (filter size CA5)	

Order code								
Type WHS								
MultiSensor	W							
Diameter								
10 mm		10						
Material								
Messing CW508L			1					
Sensor element								
2 x Digital sensors for humidity and pressure				E02				
Sensor length L1								
38 mm					038			
Filter								
Sintered bronze (interchangeable)						0		
Electrical connection								
Flange plug M12 x 1							XO	
Process connection d1								
M12 x 1.5								R
Example order number	W	10	1	E01	038	0	XO	R