TM9950

Temperature sensor with process connection

TM-045-BEM18   /US

1   internal thread M18 x 1.5
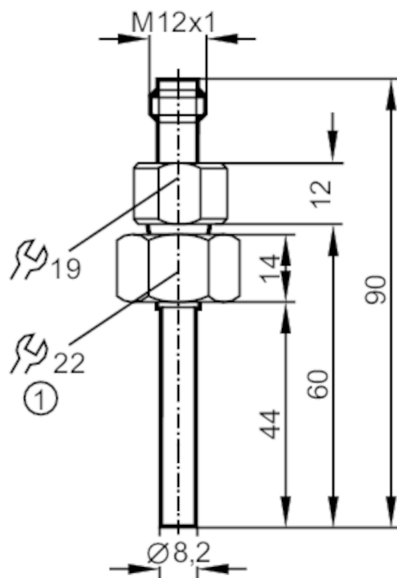
Product characteristics		
Measuring range	-40...125 °C	-40...257 °F
Process connection	threaded connection M18 x 1,5 internal thread	
Installation length EL [mm]	60	
Application		
Special feature	Gold-plated contacts	
Measuring element	1 x Pt 100; (to DIN EN 60751, class B)	
Media	liquids and gases	
Pressure rating [bar]	300	
Minimum installation depth [mm]	15	
Electrical data		
Protection class	III	
Measuring/setting range		
Probe length L [mm]	44	
Measuring range	-40...125 °C	-40...257 °F
Accuracy / deviations		
Accuracy [K]	± (0,30 K + 0,005 x|t|)	
Response times		
Dynamic response T05 / T09 [s]	1 / 3; (to DIN EN 60751)	
Operating conditions		
Ambient temperature [°C]	-25...80	
Storage temperature [°C]	-40...100	
Protection	IP 68; IP 69K	
Tests / approvals		
MTTF [years]	22831	

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Mechanical data		
Weight	[g]	81.5
Materials		stainless steel (316L/1.4404)
Materials (wetted parts)		stainless steel (316L/1.4404)
Process connection		threaded connection M18 x 1,5 internal thread
Probe diameter	[mm]	8.2
Installation length EL	[mm]	60

Remarks	
Remarks	operating voltage "supply class 2" according to cULus
	The values for accuracy apply to flowing water.
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated

Connection