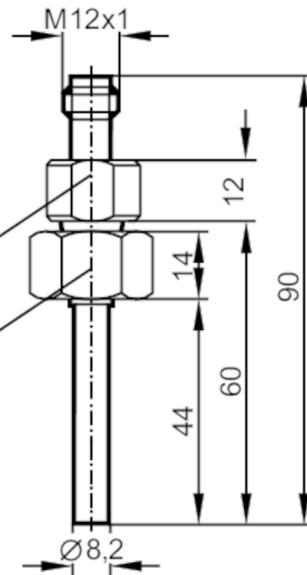


Temperature sensor with process connection

TM-045-BTM18

/US



1 internal thread M18 x 1.5

**Application**

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
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Measuring/setting range

Probe length L [mm]	44
Measuring range	-40...125 °C

-40...257 °F

Accuracy / deviations

Accuracy [K]	$\pm (0,30 \text{ K} + 0,005 \times t)$
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Response times

Dynamic response T05 / T09 [s]	1 / 3; (to DIN EN 60751)
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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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TM9900



Temperature sensor with process connection

TM-045-BTM18 /US

Mechanical data

Weight	[g]	66.8
Materials		stainless steel (1.4404 / 316L)
Materials (wetted parts)		titanium (3.7035)
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.
Notes	discontinued article
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; Contacts: gold-plated



Connection

