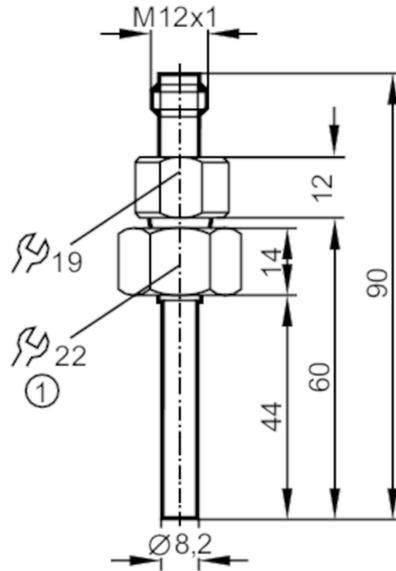


TM9550



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 1000; (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	
--------------	-------	--

TM9550



Temperature sensor with process connection

TM-045-BEM18 /US

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

