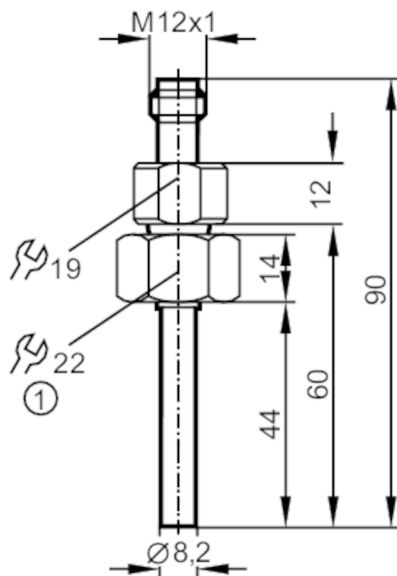




## Temperature sensor with process connection

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
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## Measuring/setting range

Probe length L	[mm]	44	
Measuring range		-40...125 °C	-40...257 °F

## Accuracy / deviations

Accuracy [K]	$\pm (0,30 K + 0,005 x t )$
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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 [ANN]	22831
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# TM9550



## Temperature sensor with process connection

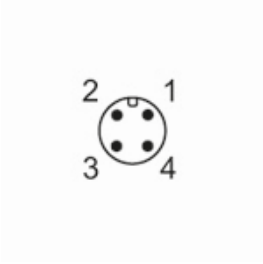
TM-045-BEM18 /US

Mechanical data		
Weight	[g]	81.5
Materials		stainless steel (1.4404 / 316L)
Materials (wetted parts)		stainless steel (1.4404 / 316L)
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

