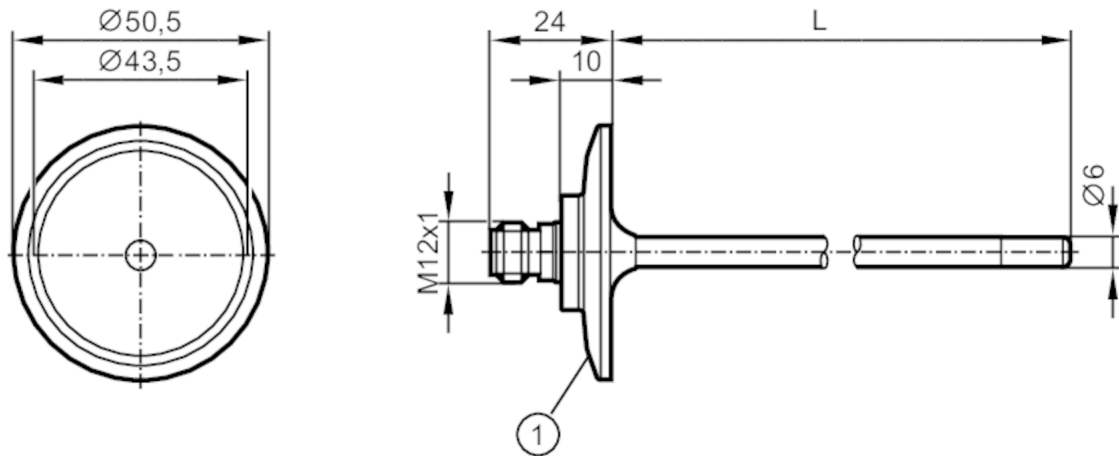


# TM4811



## Temperature sensor with process connection

TM-050KFEC01- /US/



1 1.5" Clamp ISO 2852  
L = probe length corresponds to installation length EL



EC 1935/2004 EHEDG Certified FCM FDA

### Product characteristics

Measuring range	-40...150 °C	-40...302 °F
Process connection	Clamp DN25...DN40 (1...1,5") DIN 32676 (ISO 2852)	
Installation length EL [mm]	50	

### Application

Special feature	Gold-plated contacts
Measuring element	1 x Pt 100; (to DIN EN 60751, class A)
Application	hygienic systems
Media	liquids and gases
Pressure rating [bar]	25
Minimum installation depth [mm]	15
MAWP (for applications according to CRN) [bar]	50

### Electrical data

Protection class	III
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### Measuring/setting range

Probe length L [mm]	50	
Measuring range	-40...150 °C	-40...302 °F

### Accuracy / deviations

Accuracy [K]	$\pm (0,15 K + 0,002 x t )$
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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

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## Temperature sensor with process connection

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Tests / approvals		
Shock resistance	DIN EN 60068-2-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	10 g (10...2000 Hz)
MTTF [years]	22831	
Mechanical data		
Weight [g]	184	
Materials	stainless steel (1.4404 / 316L)	
Materials (wetted parts)	stainless steel (1.4404 / 316L) electropolished	
Process connection	Clamp DN25...DN40 (1...1,5") DIN 32676 (ISO 2852)	
Surface characteristics Ra/Rz of the wetted parts	Ra: < 0.8	
Probe diameter [mm]	6	
Installation length EL [mm]	50	
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; Contacts: gold-plated



### Connection

