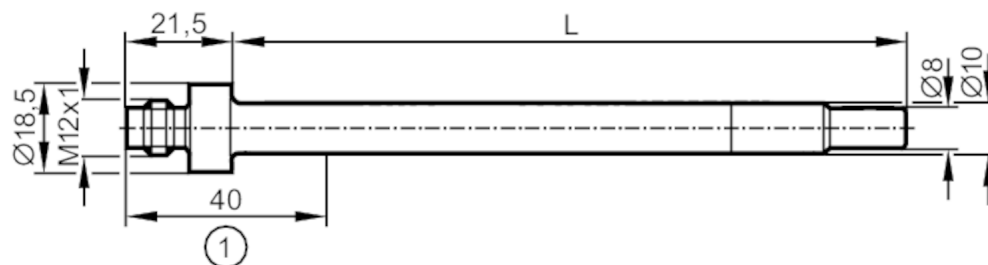


TT1081



Temperature probe sensor

TT-100KCED10- I/US/ IV



1 plug area
L = probe length corresponds to installation length EL



Application

Measuring element	1 x Pt 100; (to DIN EN 60751, class A)	
Media	liquids and gases	
Pressure rating [bar]	160	
Minimum installation depth [mm]	15	

Electrical data

Protection class	III	
------------------	-----	--

Measuring/setting range

Probe length L [mm]	160	
Measuring range	-40...150 °C	-40...302 °F

Accuracy / deviations

Accuracy [K]	$\pm (0,15 \text{ K} + 0,002 \times t)$	
--------------	---	--

Response times

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

Operating conditions

Ambient temperature [°C]	-25...80	
Note on ambient temperature	plug area	
Storage temperature [°C]	-40...100	
Protection	IP 68; IP 69K	

Tests / approvals

Shock resistance	DIN EN 60068-2-27	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	10 g (10...2000 Hz)
MTTF [years]	22831	

Mechanical data

Weight [g]	53.2	
Dimensions [mm]	Ø 10	
Materials	stainless steel (1.4404 / 316L)	
Materials (wetted parts)	stainless steel (1.4404 / 316L)	
Probe diameter [mm]	10	
Installation length EL [mm]	160	

TT1081



Temperature probe sensor

TT-100KCED10- /US/ /V

Remarks

Remarks

The values for accuracy apply to flowing water.
operating voltage "supply class 2" according to cULus

Pack quantity

1 pcs.

Electrical connection

Connector: 1 x M12; Contacts: gold-plated



Connection

