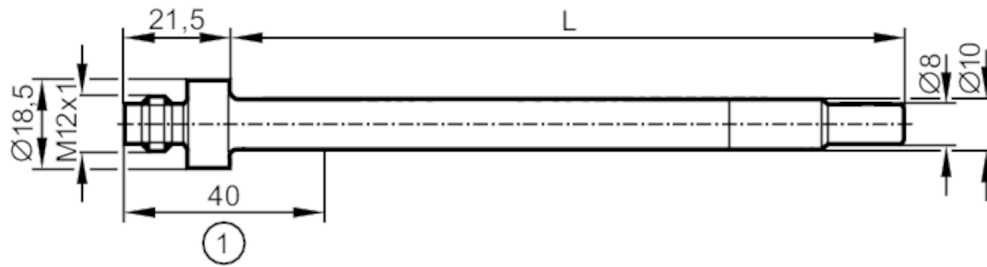


TT1081



Temperature probe sensor

TT-100KCED10- I/US/ IV



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



Product characteristics		
Measuring range		-40...150 °C -40...302 °F
Installation length EL	[mm]	160
Application		
Special feature		Gold-plated contacts
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]	± (0,15 K + 0,002 x 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

TT1081



Temperature probe sensor

TT-100KCED10- /US/ /V

Mechanical data		
Weight	[g]	54.2
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

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; coding: A; Contacts: gold-plated



Connection

