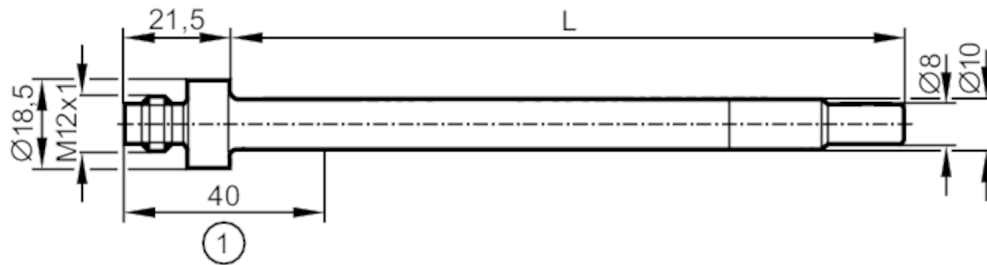


# TT1081



## 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
Process connection	Clamp fitting Ø 10 mm	
Installation length EL [mm]	160	
Application		
System	gold-plated contacts	
Measuring element	1 x Pt 100; (to DIN EN 60751, class A)	
Media	liquids and gases	
Pressure rating	160 bar	16 MPa
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 )	
Reaction times		
Dynamic response T05 / T09 [s]	1 / 3; (according 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]	54.2	
Housing	tubular	
Dimensions [mm]	Ø 10 / L = 181.5	

# TT1081



## Temperature probe sensor

TT-100KCED10- I/US/ IV

Material	stainless steel (1.4404 / 316L)
Materials (wetted parts)	stainless steel (1.4404 / 316L)
Process connection	Clamp fitting Ø 10 mm
Probe diameter [mm]	10
Installation length EL [mm]	160

### Remarks

Remarks	The values for accuracy apply to flowing water. cULus - Class 2 source required
Pack quantity	1 pcs.

### Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



### Connection

