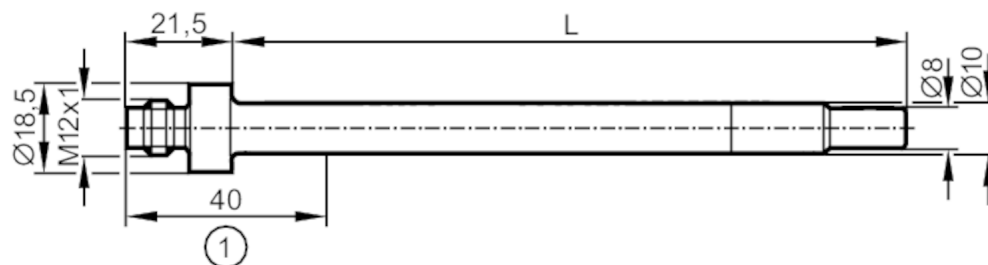


TT5081



Temperature probe sensor

TT-500KBBD10-...../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
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Measuring/setting range

Probe length L	[mm]	560	
Measuring range		-40...150 °C	-40...302 °F

Accuracy / deviations

Accuracy [K]	$\pm (0,15 K + 0,002 \times t)$
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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
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	5 g (10...2000 Hz)
MTTF [years]	22831	

Mechanical data

Weight [g]	150.8
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]	560

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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

