

TT5050



Temperature probe sensor

TT-500KBBD10-...../US/



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



Product characteristics

Measuring range	-40...150 °C	-40...302 °F
Process connection	Ø 10 mm	
Installation length EL [mm]	560	

Application

Special feature	Gold-plated contacts	
Measuring element	1 x Pt 1000; (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]	± (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
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]	147.3
Dimensions	[mm]	Ø 10
Materials		stainless steel (316L/1.4404)

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Materials (wetted parts)	stainless steel (316L/1.4404)
Process connection	Ø 10 mm
Probe diameter [mm]	10
Installation length EL [mm]	560

Remarks

Remarks	The values for accuracy apply to flowing water.
Pack quantity	1 pcs.

Electrical connection

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



Connection

