

TA3431

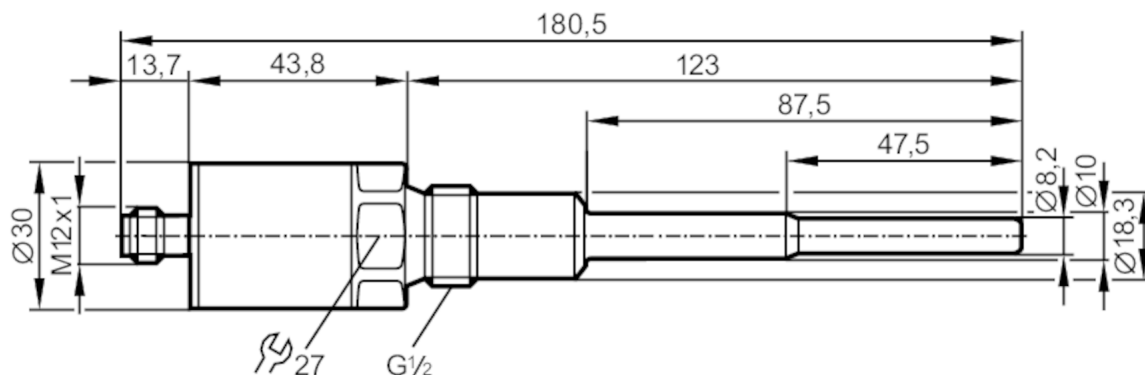


Temperature transmitter

TA-123.LDR12-A-ZVG/US/

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Application

Measuring element	1 x Pt 1000; (to DIN EN 60751, class A)	
Media	liquids and gases	
Medium temperature	< 150; (< 40 min) °C	< 302; (< 40 min) °F
Pressure rating [bar]	300	
Note on pressure rating	sensor	
Minimum installation depth [mm]	When mounted in adapters the specifications of the adapter data sheet apply.	
	15	

Electrical data

Operating voltage [V]	10...30 DC; (according to EN 50178 SELV/PELV)
Protection class	III
Reverse polarity protection	yes

Outputs

Total number of outputs	1
Output signal	analogue signal
Number of analogue outputs	1
Analogue current output [mA]	4...20
Max. load [Ω]	500
Overload protection	yes

Measuring/setting range

Probe length L	[mm]	47.5	
Measuring range		-10...150 °C	14...302 °F

Resolution

Resolution of analogue output [K]	0.02
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Accuracy / deviations

Precision analogue output [K]	± 0,3
Temperature coefficient	< ± 0,1; (in case of deviation from the reference condition 25 ± 5 °C)

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[% of the span / 10 K]

Response times

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

Operating conditions

Ambient temperature [°C] -25...70

Storage temperature [°C] -40...100

Protection IP 68; IP 69K

Tests / approvals

EMC	DIN EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	DIN EN 61000-4-4 Burst	2 kV
	DIN EN 61000-4-5 Surge	0,5/1 kV
	EN 61000-4-6 HF conducted	10 V
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]	1119	

Mechanical data

Weight [g] 231.6

Dimensions [mm] Ø 30 / L = 180.5

Materials stainless steel (1.4404 / 316L); stainless steel (1.4301 / 304); stainless steel (1.4305 / 303); PA

Materials (wetted parts) stainless steel (1.4404 / 316L)

Tightening torque [Nm] 30...50

Process connection threaded connection G 1/2 external thread

Installation length EL [mm] 87.5

Remarks

Remarks	referring to UL: for use on a low voltage circuit with overcurrent protection in accordance with UL873 tab. 28.1 or $I_{max} = 100/U_b$ (U_b = voltage of the circuit)
Notes	The values for accuracy apply to flowing water.
Pack quantity	discontinued article
	1 pcs.

Electrical connection

Connector: 1 x M12; Contacts: gold-plated



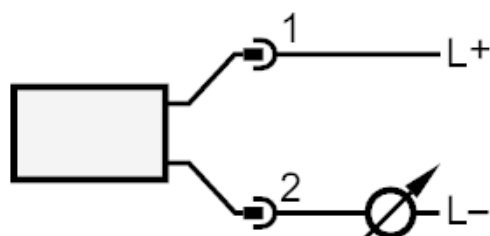
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Connection



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