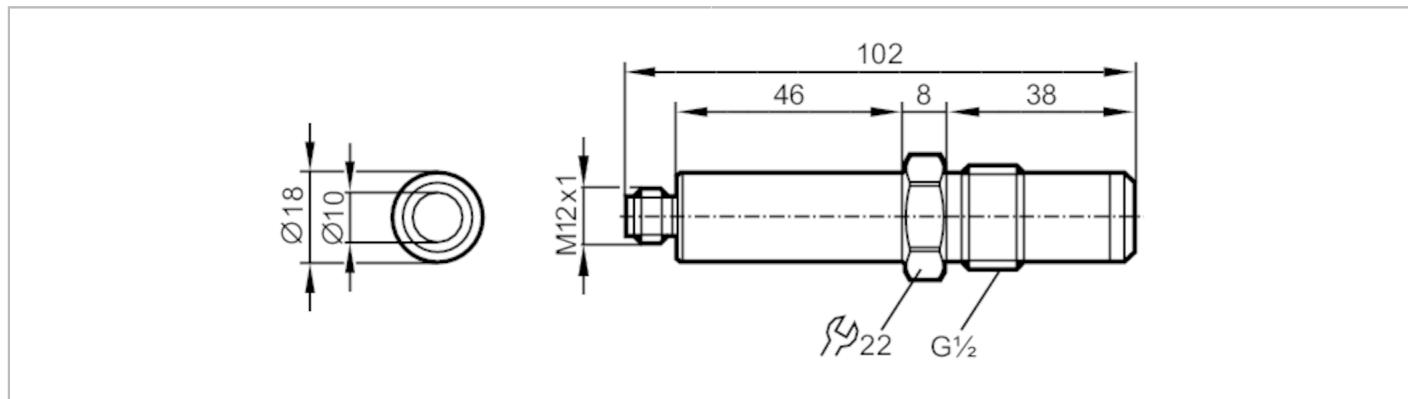


Temperature transmitter

TA-000KLER12- /US

Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1	
Measuring range	[°C]	0...100
Process connection	threaded connection G 1/2 external thread sealing cone flush mountable	

Application

Special feature	Gold-plated contacts	
Measuring element	1 x Pt 100; (to DIN EN 60751, class A)	
Media	liquids and gases	
Medium temperature	[°C]	< 100; (< 5 min: 150)
Pressure rating	[bar]	16
Pressure rating	[MPa]	1.6

Electrical data

Operating voltage	[V]	18...32 DC
Protection class		III
Reverse polarity protection		yes

Inputs / outputs

Number of inputs and outputs	Number of analogue outputs: 1	
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Outputs

Total number of outputs	1	
Output signal	analogue signal	
Number of analogue outputs	1	
Analogue current output	[mA]	4...20

Measuring/setting range

Measuring range	[°C]	0...100
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Accuracy / deviations

Precision analogue output	[K]	± (0,25 K + 0,002 x t)
Temperature coefficient		0,1

Response times

Dynamic response T05 / T09	[s]	10 / 40; (for water (70 °C; 0,04 m/s))
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TA3597



Temperature transmitter

TA-000KLER12- /US

Operating conditions		
Ambient temperature	[°C]	-20...70
Storage temperature	[°C]	-40...85
Protection		IP 69K; (in conjunction with a corresponding connector)
Tests / approvals		
EMC		DIN EN 61000-6-2
		DIN EN 61000-6-3
Mechanical data		
Weight	[g]	146.5
Housing		cylindrical
Dimensions	[mm]	Ø 18 / L = 102
Materials		stainless steel (316L/1.4404); PEEK
Materials (wetted parts)		stainless steel (316L/1.4404); PEEK
Tightening torque	[Nm]	10
Process connection		threaded connection G 1/2 external thread sealing cone flush mountable
Surface characteristics Ra/Rz of the wetted parts		Ra: < 0.8
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; coding: A; Contacts: gold-plated		
Connection		