

TA3171



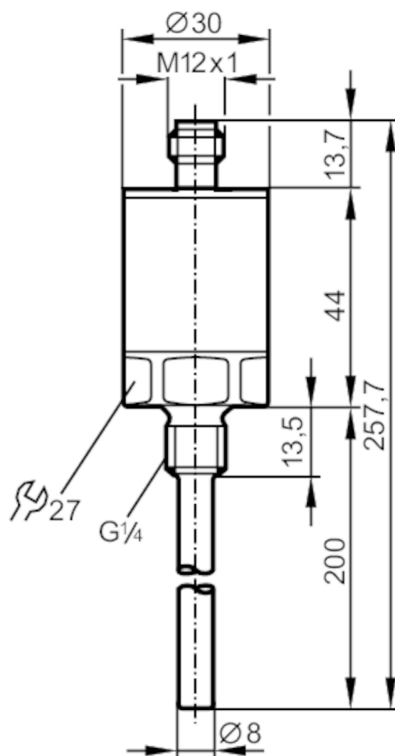
Temperature transmitter

TA-200.CDR14-A-ZVG/US/

Article no longer available - archive entry

Alternative articles: TA3155

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1	
Measuring range	-50...150 °C	-58...302 °F
Process connection	threaded connection G 1/4 external thread	
Installation length EL [mm]	200	

Application

Special feature	Gold-plated contacts	
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]	160	
Minimum installation depth [mm]	15	

Electrical data

Operating voltage [V]	10...30 DC; ("supply class 2" to cULus)	
Protection class	III	
Reverse polarity protection	yes	



Temperature transmitter

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Inputs / outputs		
Number of inputs and outputs		Number of analogue outputs: 1
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]		186.5
Measuring range		-50...150 °C-58...302 °F
Resolution		
Resolution of analogue output [K]		0.02
Accuracy / deviations		
Precision analogue output [K]		± 0,4
Temperature coefficient [% of the span / 10 K]		< ± 0,1; (in case of deviation from the reference condition 25 ± 5 °C)
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	2/1 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	5 g (10...2000 Hz)
Mechanical data		
Weight [g]		137
Dimensions [mm]		Ø 30 / L = 257.7
Materials		stainless steel (316L/1.4404); stainless steel (304/1.4301); stainless steel (303/1.4305); PA
Materials (wetted parts)		stainless steel (316L/1.4404)
Process connection		threaded connection G 1/4 external thread
Installation length EL [mm]		200
Remarks		
Remarks		The values for accuracy apply to flowing water.
Pack quantity		1 pcs.

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Electrical connection

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



Connection

