

# TA3237



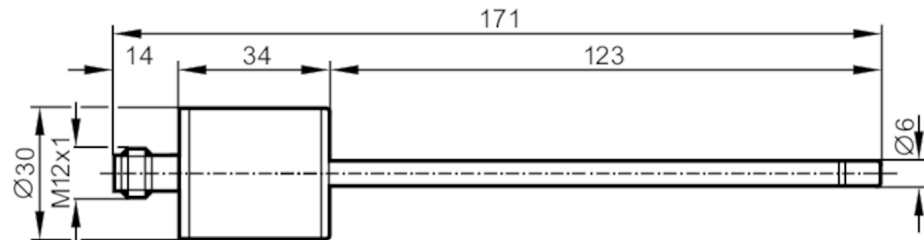
## Temperature transmitter

TA-123CLDD06-A-ZVG/US/

Article no longer available - archive entry

Alternative articles: TA2247 or TD2237

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



### Product characteristics

Number of inputs and outputs	Number of analog outputs: 1	
Measuring range	0...100 °C	32...212 °F
Process connection	Diameter Ø 6 mm	
Installation length EL [mm]	123	

### Application

System	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]	50	
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	
Protection class	III	
Reverse polarity protection	yes	

### Inputs / outputs

Number of inputs and outputs	Number of analog outputs: 1	
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### Outputs

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

### Measuring/setting range


Probe length L [mm]	123	
Measuring range	0...100 °C	32...212 °F

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Resolution		
Resolution of analog output [K]	0.02	
Accuracy / deviations		
Precision analog output [K]	± 0,3	
Temperature coefficient [% of the span / 10 K]	< ± 0,1; (In case of deviation from the reference condition 25 ± 5 °C)	
Reaction times		
Dynamic response T05 / T09 [s]	1 / 3; (according 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	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)
Mechanical data		
Weight [g]	159.5	
Dimensions [mm]	Ø 30 / L = 171	
Material	stainless steel (1.4404 / 316L); stainless steel (1.4301 / 304); stainless steel (1.4305 / 303); PA	
Materials (wetted parts)	stainless steel (1.4404 / 316L)	
Process connection	Diameter Ø 6 mm	
Probe diameter [mm]	6	
Installation length EL [mm]	123	
Remarks		
Remarks	cULus - Class 2 source required The values for accuracy apply to flowing water.	
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; Contacts: gold-plated		
		

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### Connection

