



VTA200

Temperature Transducer

Product Description

VTA200 series is a compact and durable temperature transmitter, which uses thermal resistance for temperature measurement, and the signal is converted into a standard industrial electrical signal output by the post-processing circuit. The all-metal casing design enables this series of products to be used in various industrial occasions. The analog output type is: 4...20mA, a variety of connection methods can fully meet various specific installation needs.

Features

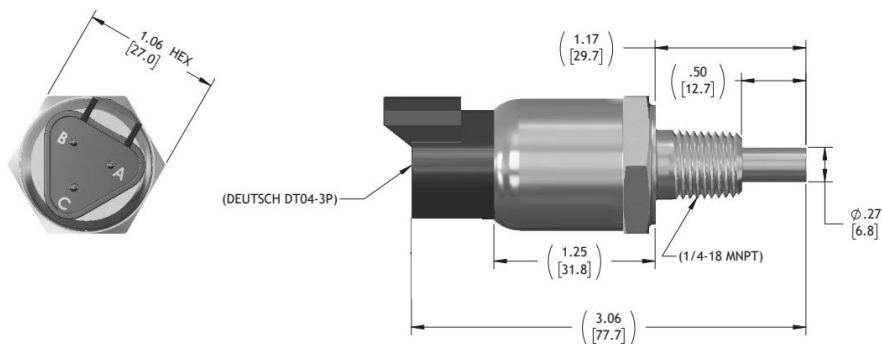
- The ultra-small and integrated high temperature module is easy to install and convenient for system networking and wiring.
- Measuring range from -50°C...200°C
- Compact structure
- Stainless steel shell

Application

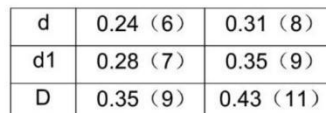
- Hydraulic and pneumatic Circulating water/coolant Mechanical manufacturing
- Oil and gas industry
- Water treatment
- Building automation

Parameters

Supply voltage	10...30Vdc
2 wire type	Consistent with the output signal current (4... 20 mA)
Output type	2-wire 4... 20 mA
load RA(Ω)	$RA \leq (U_s - 10)V / 0.02A$
Non-linearity	± 0.5% F.S
Sensor	PT1000 Class A
Accuracy	± 0.5% range
Stability (annual drift amount)	± 0.25% range
Medium temperature (measurement range)	-50...100°C / -50...150°C / -50...200°C
Ambient temperature	-20...+85°C
Withstand pressure	200bar
Shell material	Stainless Steel 304
Contact medium material	Stainless Steel 316
levels of protection	IP67 (M12connector)
Output type	M12 connector/DIN connector
Procedure linkage	G1 / 4 outer thread
Vibration resistance acc. to DIN EN 60068-2-6 at 10 .. 500 Hz	≤ 20 g
Shock resistance acc. to DIN EN 60068-2-27	100 g / 6 ms
Weight	< 50 g



mini Solenoid Plug



Note: L – customized; d – probe diameter

Order Code

VTA :	Temperature transmitter
200 :	Series# - compact
F :	Sanitary model
- :	Standard model
Measuring range :	C-50-50= -50...50°C
	C0-100= 0...100°C
	C0-150= 0...150°C
	C0-200= 0...200°C (with gooseneck tube)
Note: Use FAA-BBBB for Fahrenheit, in which AA, BBBB are lower and upper limit respectively. (measuring range customizable)	

VTA	200/	F	C0-200/	02/	42	G12M	S	025	D06
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02 :	2-wire
42 :	4...20mA
Process connection	
T :	DN25 Tri-clamp connection (only for the sanitary)
G14M :	G1/4 male thread
G12M :	G1/2 male thread
N14M :	1/4"NPT male thread
S :	M12X1 5-pin plug
M :	mini solenoid plug
Probe length L	
025=25mm	(L≤500mm)
1"=1inch	(L≤20 inches)
Probe diameter d	
D04=4mm	
D06=6mm	
D08=8mm	

Special Order on Request

- ▶ Temperature measuring range
- ▶ Process connection
- ▶ Electrical connection
- ▶ For working condition with high pressure please use the probe diameter D06.