



OEM Industrial Temperature Transmitter

AV1000

OVERVIEW

The AV1000 industrial temperature transmitter offers accurate temperature measurements with a 4-20mA or 1-5V output signal. Offering a wide selection of process connections, lengths, temperature and connections, the AV1000 can be specified for existing or new applications. Featuring a stainless steel housing, this temperature can be packaged with IP-66 to IP-68.

BENEFITS

- * Compact Size
- * Rugged Design
- * Wide Choice of Process Connectors
- * Stainless Steel 316L Wetted Parts
- * High Media Process Capabilities (500 Bar)
- * High Shock and Vibe

APPLICATIONS

- * Mud and Frack Pumps
- * Gas Flow Temp.
- * Well Heads
- * Gas Compressors & Turbines
- * Hydraulic Oil Temp.
- * Wind Turbines

Environmental Data

Shock	100G, 11 msec, 1/2 sine
Vibration	10G peak, 20 to 2000 Hz.

Performance@25°C (77°F)

Accuracy*	±0.25°C
Stability (1 year)	0.2%FS, typical

Maximum Pressure

<2 inch Probe	500 Bar (7,250 PSI)
>2 inch Probe	150 Bar (2,175 PSI)

Temperature

Ambient Temperature	-40 to 85°C
Storage Temperature	-50 to 120°C
Liquid or Gas Temperature	-40 to 200°C
IP Rating	IP-66, min

Electrical Data

Output	4-20mA
Excitation	22 to 28VDC
Output Impedance	>10k Ohms
Zero Offset	±0.5%
Span Tolerance	±0.5%
Response Time	<1 second
Reverse Polarity	Yes



Ordering Method

For Example:-

AV1000 4 A 1 4 S L

① ② ③ ④ ⑤ ⑥ ⑦

①	Series	Code	Description	⑤	Outputs		
		1000			4	4-20mA	(2 wire loop powered)
					1	1-5V	
②	Process Connection			⑥	Electrical		
		4	1/4" NPT Male		J	Conduit, 1m	
		Z	G1/4 3852 Male		K	Conduit, 2m	
		9	9/16-18 UNF Male		L	Conduit, 3m	
		7	7/16-20 UNF Male		P	Packard Metripack 150 (3Pin)	
		2	1/2" NPT Male		Q	4ft. (1.2m)	
					R	6ft. (1.8m)	
					S	10ft. (3.0m)	
					X	6 Pin Bendix (PT06A)	
					Y	M12x1 Eurofast	
③	Probe Length*			⑦	Wetted Material	L	316L-SS
		A	25mm				
		B	50mm				
		C	75mm				
		D	100mm				
④	Temperature Range						
		1	-40°C to 85°C (-40 to 185°F)				
		2	-40 to 125°C (-40 to 257°F)				
		3	0 to 70°C (32 to 158°F)				
		4	-55°C to 125°C (-67 to 257°F)				
		5	-18 to 93°C (0 to 200°F)				
		6	0 to 200°C (32 to 392°F)				

DIMENSIONAL DATA

