



Miniature

Compact High Temperature / High Pressure Sensor

AV800

OVERVIEW

Utilizing a one-piece stainless steel sensing element, the AV800 is only 12mm diameter. It can cover a wide variety of applications that require rugged construction, high cycle life, as well as media compatibility to deliver outstanding and long-term performance. The AV800 is offered with it is designed for rugged and harsh environment.

BENEFITS

- * High Strength Stainless Steel Construction
- * Wide Operating Temperature Range
- * Low Static and Thermal Errors
- * Unparalleled Price and Performance
- * Ultra Small Size

APPLICATIONS

- * Extreme Temperature
- * Downhole
- * Test Stands
- * Motorsports
- * Inkjet Printers

Performance@25°C (77°F)

Accuracy*	<±0.15% BFSL, typ.
Stability (1 year)	<±0.1% of FS, typ.
Over range Protection	2X Rated Pressure
Burst Pressure	5X or 10,000PSI (whichever is less)
Pressure Cycles	>100 Million

Output	Excitation	Zero Offset	Span Tolerance
5mV/V	5VDC typ.	<±1mV	<±2mV

* Accuracy includes non-linearity, hysteresis & non-repeatability
Millivolt output is 10VDC excitation Maximum

Physical Description

Wetted Material	17-4PH
Electrical Connection	Cable
Reverse Polarity Protection	Yes

Environmental Data

Temperature

Operating	-55 to 130°C
Storage	-60 to 140°C

Thermal Limits

Compensated Range	0 to 70°C
TC Zero	<±1.5% of FS
TC Span	<±1.5% of FS

Other

Shock	100G, 11 msec, 1/2 sine
Vibration	10G peak, 20 to 2000 Hz.
Rating	IP-65



Ordering Method

For Example:-



1	Series	Code	Description	6	Wetted Material	P	17-4PH	
		AV800	Miniature					
2	Pressure Unit	B	bar	7	Output	5	5mV/V	
		P	PSI					
3	Pressure Range	000	Standard Pressure Range (3-Code)		8	Electrical Connection	Q	1m Cable
		Example	725	725			T	2ft. Cable
			01K	1000	9	Options Code	Code	Description
			5K5	5500			000	No Special Options (3-Digit Code)
			10K	10000				
4	Pressure Type	G	Gauge					
		S	Sealed Gauge					
5	Header Thread	8	1/8 MNPT					
		X	Special Thread (See Option Code)					

DIMENSIONAL DATA

