



Miniature

Compact High Temperature / High Pressure Sensor

008VA

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* $<\pm 0.15\%$ BFSL, typ. Stability (1 year) $<\pm 0.1\%$ 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

Wettled 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 $<\pm1.5\%$ of FS TC Span $<\pm1.5\%$ of FS

Other

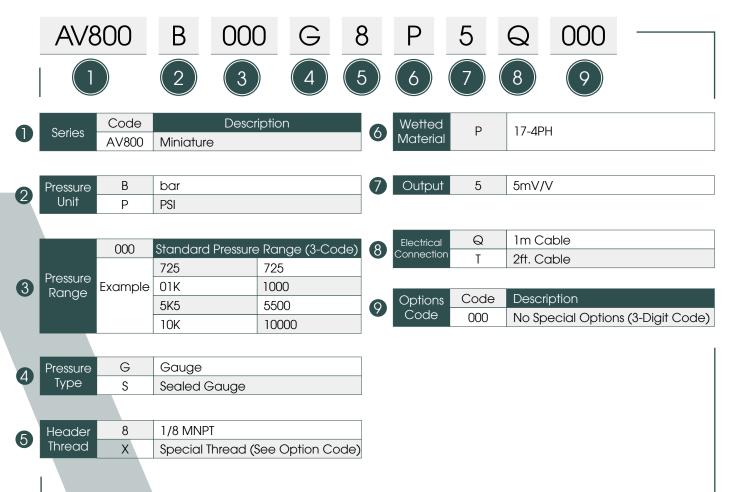
Shock 100G, 11 msec, 1/2 sine Vibration 10G peak, 20 to 2000 Hz. Rating IP-65







For Example:-



DIMENSIONAL DATA

