



Digital Industrial Pressure and

Temperature Transmitter with RS485 bus

AV2000

OVERVIEW

The AV2000 is Media Isolated sensor is intended for industrial general purpose. OEM applications that require measurement of liquids and gases up to 3000PSI. The AV2000 offers rugged construction, latest in MEMs technology, advanced electronics and competitive pricing, fast delivery.

BENEFITS

- * Low Static and Thermal Errors
- * Wide Operating Temperature Range
- * Compact Size
- * Pressure Ranges from 0-5 to 0-3000PSI
- * CE Approved

APPLICATIONS

- * Pressure Instrumentation
- * Water Level
- * Boiler Controls
- * Pneumatics
- * HVAC/R Systems



Performance@25°C (77°F)

<±0.25% BFSL, Max Accuracy* Stability (1 year) $<\pm 0.2\%$ typ.

5X rated or 10000PSI **Burst Pressure**

(whichever is less) Pressure Cycles >1 Million at Full Pressure Over range Protection 2X rated (4X optional) Pressure Type Gauge, Sealed, Absolute

Response Time $\leq 1 \text{ms}$ (up to 90% FS)

Output	Excitation
Pressure and Temperature dual outputs with RS485 Bus	12-24VDC

^{*} Accuracy includes non-linearity, hysteresis & non-repeatability

Physical Description

Wetted Material 316LSS Electrical Connection M12x1, 5-Pin Body Material Stainless Steel

Weight Reverse Polarity Protection Yes

Environmental Data

Temperature

-20 to 80°C Operating Ambient -40 to 120°C Storaae IP rating **IP65**

Thermal Limits

0°C to 70°C Compensated Range TC Zero $< \pm 1.5\%$ of FS $<\pm1.5\%$ of FS TC Span

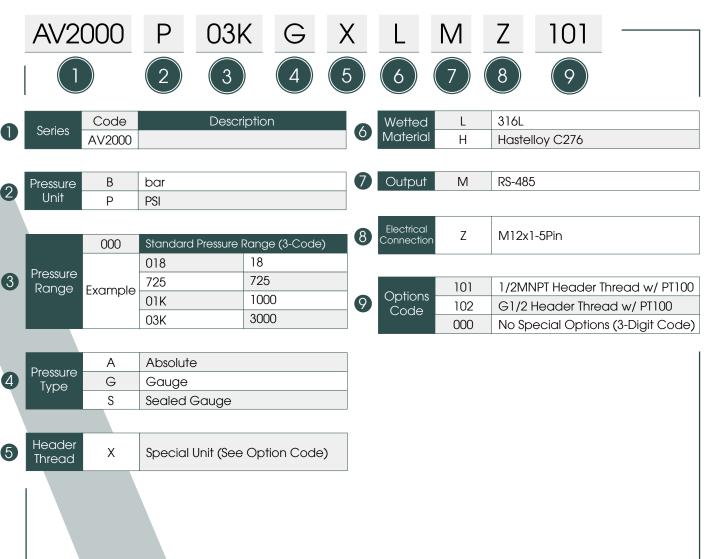
Other

Shock 100 (11mS)

20g (20 to 5000 Hz) Vibration







DIMENSIONAL DATA

