



OEM Industrial

Flush mount pressure transducer and transmitters

AV500

OVERVIEW

The AV500 is constructed to meet precision pressure sensing needs in a variety of applications. With pressure ranges from 0.1 to 200Bar, the AV500 is offered with G1/2", G1" and 1/2" MNPT ports, electrical connections and output signals.

BENEFITS

- * Flush Face, No Cavity
- * All Stainless Steel Construction
- * Wide Operating Temperature Range
- * Ranges from 0.1 to 200Bar
- * Low Static and Thermal Errors
- * Rugged Design Survives Harsh Environments
- * Compatible with Wide Range of Liquids
- * EMI/RFI Protection

APPLICATIONS

- * Pneumatics
- * Test Stands
- * Pressure Instrumentation
- * External tank Level Monitoring
- * Boiler Controls
- * Dynamometers
- * Data Loggers
- * P to I Converters
- * Food & Beverage Processing

Performance@25°C (77°F)

Accuracy*	<±0.25% BFSL, typ.
Stability (1 year)	<±0.25% of FS, typ.
Over range Protection	2X Rated Pressure
Burst Pressure	5X Rated Pressure
Pressure Cycles	>100 Million
Output	0-5V, 4-20mA
Excitation	12-32VDC
Output Impedance	>5kΩ
Zero Offset	<±0.25% of FS
Span Tolerance	<±0.5% of FS
Reverse Polarity Protection	Yes

* Accuracy includes non-linearity, hysteresis & non-repeatability

Physical Description

Wetted Material	316L, Hastelloy C276 (optional)
Electrical Connection	Din 43650A, M12, Cable etc.

Environmental Data

Temperature

Operating	-40 to 85°C
Storage	-40 to 125°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 2000Hz.
EMI/RFI Protection	Yes
Rating	IP-65 (housing only)



Ordering Method

For Example:-



① Series	Code	Description	⑤ Header Thread	J	1/2 MNPT Flush
	AV500			K	G1/2 Flush

② Pressure Unit	Code	Description	⑥ Wetted Material	L	316L-SS
	A	kPa		H	Hastelloy C276
	B	bar			
	C	kg/cm2			
	P	PSI			

③ Pressure Range	000	Standard Pressure Range (3-Code)		⑧ Electrical Connection	A	Din43650A Connector
	Example	0d1	0.1		Q	1m Cable
		2d5	2.5		Y	M12x1 - 4P
		018	18			
		725	725			
		d	Decimal Place			
maximum 200 Bar						

④ Pressure Type	A	Absolute	⑨ Options Code	Code	Description
	G	Gauge		000	No Special Options (3-Digit Code)
	S	Sealed Gauge			
	X	Special Offset (See Option Code)			

DIMENSIONAL DATA

