



Steel Mill

Stainless Steel Media Isolated Pressure Sensor

AV47SM

OVERVIEW

The AV47SM steel mill package is able to perform in rugged environments as well as meet the high demands of the steel and metal industry. The pressure port design is compatible with the high pressure spikes when the slab is entering and exiting the rolling mill.

BENEFITS

- * No Silicone Oil, Welds, or Internal O-rings
- * High Proof and Burst Pressure Ratings
- * Response Time ~ DC → 1ms
- * Internal Protection Against Pressure Spikes
- * Extra Overpressure
- * High Accuracy 0.2% as option.
- * Wide Range of Temperature Operation.

APPLICATIONS

- * Roll Forming
- * Stamping
- * hydraulic
- * Rolling Mill
- * Pumps

Performance@25°C (77°F)

Accuracy*	<±0.25% BFSL (±0.1% Optional)
Stability (1 year)	±0.25% FS, typical
Over range Protection	5X Rated Pressure
Burst Pressure	10X or 20,000PSI (whichever is less)
Pressure Cycle	>100 Million

Output	Excitation	Zero Offset	Span Tolerance
4-20mA	10-28VDC	<±1% of FS	<±1.5% of FS
1-5VDC, 1-6VDC			

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

Physical Description

Wetted Material	17-4PH
Electrical Connection	Cable

Environmental Data

Temperature

Operating	-40 to 100°C (-40 to 185°F)
Storage	-40 to 125°C (-40 to 250°F)

Thermal Limits

Compensated Range	20 to 90°C (70 to 190°F)
TC Zero	<±1% of FS
TC Span	<±1% of FS

Other

Shock	100G, 11msec, 1/2 sine
Vibration	20G peak, 20 to 2400HZ
EMI/RFI Protection	Yes
Rating	IP69



Ordering Method



For Example:-

AV47SM B 01K S 4 P 4 B 000

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

1	Series	Code AV47SM	Description	6	Wetted Material	P	17-4PH
2	Pressure Unite	Code B C P	Description Bar kg/cm2 PSI	7	Output	0 2 4	0-5V 0-10V 4-20mA
3	Pressure Range	000 Example *	Standard Pressure Range (3-Code) 01K 1000 2K5 2500 05K 5000 K 1.00E+03	8	Electical Connection	B S	Bendix Connector (6-Pin) 3m Cable
4	Pressure Type	Code S	Description Sealed Gauge	9	Options Code	Code 000	Description No Special Options (3-Digit Code)
5	Header Thread	4 B	1/4 MNPT 1/4MBSPP				

DIMENSIONAL DATA

