

AV40FM Flush Mount

Non Oil Filled Pressure Sensor



Performance@25°C (77°F)

Accuracy*	<±0.5% BFSL, typ.
Stability (1 year)	<±0.25% FS, typ.
Over range Protection	2X rated Pressure (4X optional)
Burst Pressure	5X or 15,000psi (whichever is less)
Pressure Cycles	>100 Million

Output	Excitation	Zero Offset	Span Tolerance
4-20mA	10-28VDC	<±1% of FS	<±1% of FS
10mV/V**	10V excitation as max.	<±2% of FS	<±2% of FS

* Accuracy includes non-linearity, hysteresis & non-repeatability
 ** 10VDC, Maximum

Physical Description

Wetted Material	17-4PH, 316L, Inconel 718 (Optional)
Electrical Connection	M12x1-4P, Solder Pins

Environmental Data

Temperature

Media	-40 to 125°C (-40 to 257°F)
Operating	-20 to 125°C (-4 to 257°F)
Storage	-40 to 125°C (-40 to 257°F)

Thermal Limits

Compensated Range	-20 to 85°C (-4 to 185°F)
TC Zero	<±1% of FS
TC Span	<±1% of FS

Other

Shock	50G, 11 msec, 1/2 sine
Vibration	±20g, MIL-STD-810C, Procedure 514.2-2, Curve L
EMI/RFI Protection Rating	Yes IP-66 (Standard)

OVERVIEW

Ideal for applications that require no dead volume from the point of contamination and easy of cleaning in applications such as food and beverage, sterilization equipment, hot waxes and glues, grease pumping, paint and thinners, mud pumping and ballast tanks. Standard wetted materials are 316L and 17-4PH stainless steels with the options of 316L and Inconel, 316L and Hastelloy or all Inconel for corrosive and abrasive media.

BENEFITS

- * Easy to clean
- * Ideal for corrosive and abrasive media.

APPLICATIONS

- * Food and beverage
- * Sterilization equipment
- * Hot waxes and glues
- * Grease pumping
- * Paint and thinners
- * Mud pumping
- * Ballast tanks





Ordering Method

For Example:-

AV40FM B 050 S 9 P 9 Y 000

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Series	Code	Description	⑤ Header Thread	9	9/16-18 UNF Male				
	AV40FM			Y	G1/2 Male				
② Pressure Unit	Code	Description	⑥ Wetted material	P	17-4PH				
	B	bar		L	316L-SS				
③ Pressure Range	Code	Description	⑦ Output	4	4-20mA				
	000	Standard Pressure Range (3-Code)		9	10mV/V				
③ Pressure Range	50BAR	050	⑧ Electrical Connection	1	Solder Pins				
		070		Y	M12x1 - 4P				
	100	1000BAR		⑨ Options Code	Code	Description			
	250				000	No Special Options (3-Digit Code)			
	400				④ Pressure Type	S	Sealed Gauge		
	700					③ Pressure Range	50BAR	050	Standard Pressure Range (3-Code)
	01K						070	Standard Pressure Range (3-Code)	

DIMENSIONAL DATA

