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TECHNOLOGY GROUP

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Find the *Emerson / Asco 40B00050P4B0A10* at our website: ***Click HERE***

Model 40 Standard

Stainless Steel Media Isolated Pressure Sensor

Series 40

Features

- High Strength Stainless Steel Construction.
- No silicone oil, no internal o-rings, no welds.
- Wide operating temperature range.
- Ranges up to 10,000 PSI.
- Rugged design survives harsh environments.
- Compatible with wide range of gases and liquids.
- Suitable for high shock and vibration applications.



Specifications

Performance @ 25˚C (77˚F)	
Accuracy[1]	<±0.5% BFSL
Stability (1 year)	±0.25%FS, typ
Proof Pressure	2X Rated Pressure
Burst Pressure	5X or 20,000 PSI, whichever is less
Wetted Material	17-4PH S.S. (NACE compatible) (for other material consult factory)
Pressure Cycles	> 100 Million

[1] Accuracy includes: Non-linearity, Hysteresis and Non-repeatability

Physical Description	
Case	304 Stainless Steel
Pressure Fittings	1/8" MNPT, 1/4" MNPT (for others consult factory)
Electrical Connection	Cable, Mini DIN, or Packard (for others, consult factory)

Environmental Data	
Temperature	
Operating	-40 to 85˚C (-40 to 185˚ F)
Storage	-40 to 125˚C (-40 to 250˚ F)
Thermal Limits	
Compensated Range	0 to 55˚C (30 to 130˚ F)
TC Zero	<±1.5% of FS (<±3.0% for 0-25 PSI)
TC Span	<±1.5% of FS
Other	
Shock	100G, 11msec, 1/2 sine
Vibration	20G Peak, 20 to 2400 HZ
Rating	IP-66
EMI/RFI Protection	Yes

Electrical Data		
Excitation	5VDC, typ.	10-28 VDC
Output	0-50mV	1-5 V & 4-20mA
Output Impedance	1100 Ohms, nom.	100 Ohms, nom. -
Current Consumption	<5mA	<10mA & 25mA max
Bandwith (-3dB)	DC to 5kHz, min.	DC to 1kHz & 250Hz
Output Noise	N/A	<2mV RMS
Reverse polarity	N/A	YES
Zero Offset	<±2% of FS	<±1% &1.5% of FS
Span Tolerance	<±2% of FS	<±2% of FS
Output Load	> 1M Ohms	10k Ohms, min. For voltage output for 4-20mA, see Load Line Curve
Agency Approvals	UL/CUL 508 for all models	

Pressure Ranges*+

Gage psig	Proof psig	Burst psig	Pressure Range Code
0-25	50	250	00025
0-50	100	250	00050
0-100	200	500	00100
0-200	400	1,000	00200
0-500	1,000	2,500	00500
0-1,000	2,000	5,000	01000
0-2,500	5,000	12,500	02500
0-5,000	10,000	20,000	05000
0-7,500	15,000	20,000	07500
0-10,000	20,000	20,000	10000

* Typical Ranges. All ranges between 0-25psi and 0-10,000psi are available. Please consult factory.

+ Vacuum calibration available. Please consult factory.

Specifications are subject to change without notice.

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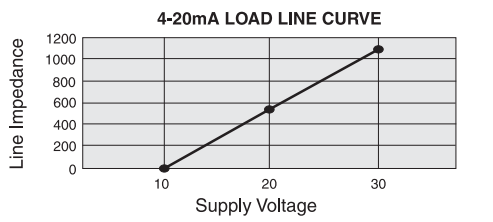
Ordering Information

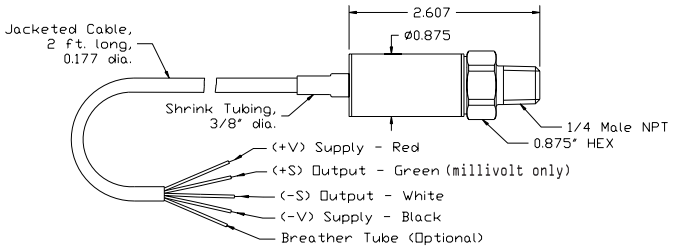
Construct a product code using the chart below. (Consult factory for other options)

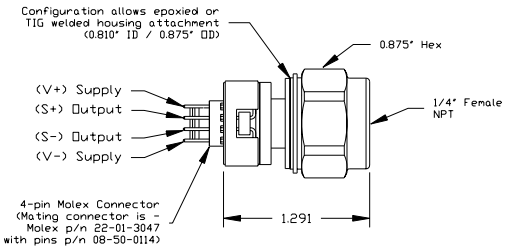
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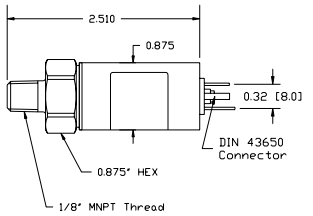
Series Type	Process Connection	Pressure Range	Pressure Unit	Outputs	Electrical Interface	Wetted Material	Options
40 Standard	**X**= Special **A**= 1/4" MNPT **B**= 1/8" MNPT **F**= 7/16" -20 UNF Male **C**= 1/4" BSPP Male **D**= 1/8" BSPP Male **E**= 1/2" MNPT **H**= 1/8" FNPT **J**= 1/4" FNPT	**XXXXX=** Special Insert Pressure Range from Chart **Vacuum=V0000** -14.7psig/-1.01bar	**X**= Special **B**= BAR **K**= kg/cm^2 **P**= PSI	**X**= Special **1**= 10mV/V **2**= 0.5-4.5V ratiometric **3**= 1-5V/DC **4**= 4-20mA **6**= 1-6V **A**= 0-50mV	**X**= Special **A**= 2Ft. Cable **B**= 4Ft. Cable **C**= 6Ft. Cable **D**= 10Ft. Cable **E**= Mini DIN 43650 **F**= Packard Metripack 150 3 pin connector **G**= 4 pin Molex connector **H**= Flex Strip 3"	**X**= Special **0**= 17-4 PH **1**= 316 L **2**= Inconel	**XXX**= Special **000**= No Options **A10**= ±0.10 Accuracy **A25**= ±0.25 Accuracy **C01** Calibration 1-9 **C10** Calibration 10-49 **C50** Calibration 50-up

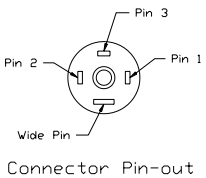
Dimensional Information











Connector Pin-out

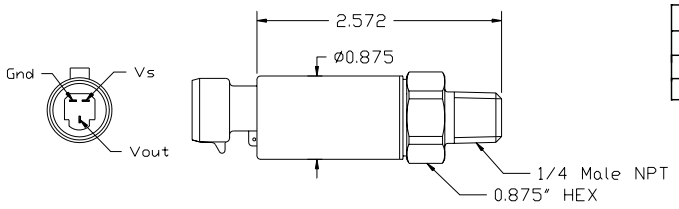


Table 1			
Output	**Pin 3**	**Pin 2**	**Pin 1**
1-5V	+V Supply	-V Supply	Output
4-20mA	+V Supply	-V Supply	N/C

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