



# IMH SERIES PRESSURE TRANSMITTER

MODELS M, V, AND C

## APPLICATIONS

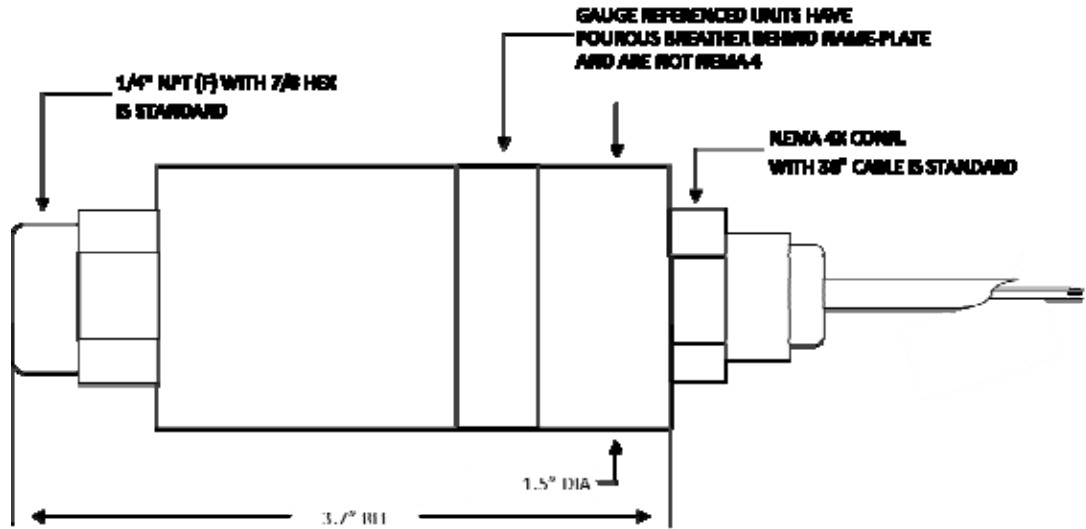
- ◆ INJECTION MOLDING
- ◆ HYDRAULIC
- ◆ PNEUMATIC

## FEATURES

- ◆ CHOICE OF ELECTRICAL OUTPUTS
- ◆ AVAILABLE ELECTRICAL CONNECTIONS: 6-PIN, HIRSCHMAN, AND LEADS
- ◆ SMALL SIZE (1.5" OD x 3.75" LONG)

## PRESSURE RANGES

- ◆ FROM 0-100 THROUGH 0-15,000 PSIG



## SPECIFICATIONS

Output Span Tolerance	±1.0% FSO at 70°F														
Pressure Type (Standard)	Gauge/Non-Hermetic Seal (0-300 PSI and above) Gauge/Direct/Cable Vented (Below 0-300 PSI)														
Zero Balance	±1.0% FSO at 70°F														
Wetted Material	316 and 15-5 PH Stainless Steel														
Accuracy	0.2% (Includes hysteresis, non-linearity, and repeatability)														
Temperature Limits	<table border="0"> <tr> <td>Compensated</td> <td colspan="3">0°F to +180°F</td> </tr> <tr> <td>Operating</td> <td colspan="3">-20° to +190°F</td> </tr> <tr> <td>Storage</td> <td colspan="3">-20° to +250°F</td> </tr> </table>			Compensated	0°F to +180°F			Operating	-20° to +190°F			Storage	-20° to +250°F		
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Electricals	M-Model	V-Model	C-Model												
Excitation Voltage	3.5-15 Vdc	9-40 Vdc (14.5-32 for 0-10V)	9-40 Vdc												
Output at 70°F	3.0 mV/V	0-5 Vdc	4-20 mA												
Input Impedance	5,000 ohms nominal, full bridge														
Input Current	8 mA nominal														
Load Impedance	50,000 ohms min., for ≤ 0.1% FSO Attenuation		1,200 ohms max., 37 Vdc and 600 ohms Max. at 24 Vdc												
Output Current	2.0 mA max. for ≤ 0.1% FSO attenuation														
Calibration Signal	Resistance value provided on calibration card for 100% FSO														
Mechanicals	<table border="0"> <tr> <td>Proof Pressure</td> <td colspan="3">3x full scale pressure range or 22,500 PSI, whichever is less</td> </tr> <tr> <td>Burst Pressure</td> <td colspan="3">5x full scale pressure range or 23,500 PSI, whichever is less</td> </tr> <tr> <td>Weight</td> <td colspan="3">10 oz. nominal</td> </tr> </table>			Proof Pressure	3x full scale pressure range or 22,500 PSI, whichever is less			Burst Pressure	5x full scale pressure range or 23,500 PSI, whichever is less			Weight	10 oz. nominal		
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Connections	Pressure	Electrical													
	1/4" NPT (F) Standard	3' Polyurethane-jacketed, conductor cable (24 AWG Std)													
Enclosed Materials	316 Stainless Steel														

## ORDERING GUIDE

MODEL: X-IMH-X-XX-XX / XX

Example P/N: M-IMH-C-PZ

ELECTRICAL OUTPUT	
M	3.33 mV/V
V	0-10 Vdc
C	4-20 mA

ACCURACY	
C	0.2% FSO
D	0.1% FSO

PRESSURE RANGE			
PZ	100 PSI	RM	1,000 PSI
RB	150 PSI	RO	1,500 PSI
RD	200 PSI	RR	2,000 PSI
RE	250 PSI	RS	2,500 PSI
RF	300 PSI	RT	3,000 PSI
RH	500 PSI	RV	5,000 PSI
RJ	600 PSI	RX	7,500 PSI
RK	750 PSI	RZ	10,000 PSI
SZ	_____ PSI Custom	SB	15,000 PSI

PRESSURE PORTS	
Blank	1/4" NPT (F)
FL	1/8" NPT (M)
FJ	1/4" NPT (M)
LH	SAE (6) (M) SAE (4) (M)

CONNECTOR OPTIONS	
Blank	NEMA-4
CA	6-Pin Bendix (or equiv.) Not recommended for ranges below 0-3,000 PSI. Consult Factory
CF	DIN 43650 (w/mate) Hirschman type