



SYSTEMS, L.L.C.
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Digital Barometer

MODEL 7-11

Product Specifications

Performance

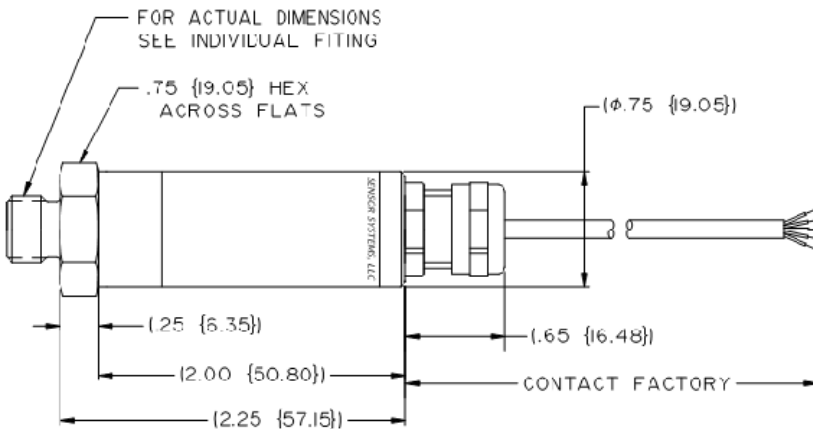
Output Signal	I ² C
Linearity Repeatability	±0.10% FSO @ 21°C, 0.05% Typical
Zero & Span Offset	±0.20% FSO (Max), ±0.15% Typical
Long-term Stability	±0.10% FSO/Year Typical
Compensated	-40°C to 85°C (-40°F to 185°F)
Digital Resolution	16 Bits
Digital Format	2 8 Bit Bytes
Output Format	Input PSIA * 512

Operating

Input Power	6 - 30 VDC @ 4.5mA (Max)
Insulation Resistance	100 Megohms @ 50 VDC
Dielectric Strength	500 VAC 50-60Hz, 5mA Max, 1min
I ² C Buffered I/O	P82B96
Max Data Rate	400KHz
Proof Pressure	150% of Rated Range
Burst Pressure	200% of Rated Range
Conversion Rate	4 Times/sec
Radiated Susceptibil-	10V/m to 1.0GHz
Weight	5.4oz

Environmental

Max Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Wetted Parts	316L SST, Goretex®, Sili- cone Gel
Vibration	15 G's, 10-2000Hz
Shock	100 G's for 11ms, Half-sine
Enclosure	NEMA 4 & 4X (Except Vented Gage)



TYPICAL OVERALL DIMENSIONS
 INCHES [mm]

Ordering Information

7 - 11 - XX X - X X - XX XX

Instrument Family	7
Sensor Type 11 = Microprocessor Controlled	11
Pressure Ranges (PSI) 7.3—16.0 PSI	XX
Reference Pressure A = Absolute	X
Pressure Fittings 1 = SAE 7/16-20 Straight 2 = 1/4-18 NPT, Male X = SAE 7/16-20 STRAIGHT WITH SPECIAL .430 THREAD LENGTH	X
Electrical Connections 6 = 10-COND. SHIELDED CABLE	XX
Output Signal DV = DIGITAL VERSION	XX
CONNECTOR 00 = NONE 12 = MOLEX CONNECTOR	XX

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