



Model M1000HF High Frequency Pressure Transducer

- Output Signal: 80 \pm 20 mV
- 0.5% BFSL (Standard), 0.2% BFSL, 0.1% BFSL (Optional)
- 1/4" NPT, 1/2" NPT, G 1/2,- contact factory for other options
- Standard ranges from 0-1.5 psi to 0-15000 psi
- Uses MEMS Technology
- High Frequency Response - 1 μ s

FEATURES:

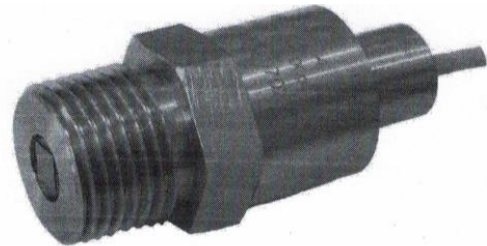
MEMS Pressure Sensing Element – Silicon Dies

High Accuracy, High Stability, High Reliability

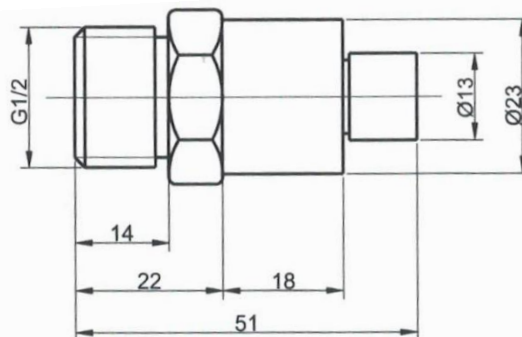
Flush Diaphragm

Wide pressure range

High Frequency – 1 MHz max



REFERENCE DIMENSIONS:



Spectre Corp
7912 Root Road
Suite C/D
North Ridgeville, Ohio 44039



www.SpectreCorp.com
Phone: (440) 250-0616
Fax: (440) 353-0269
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Ordering Guide: M1000HF-A-(0-300PSI)-2--5-EC1

A	(0-300)	4	5	EC1
PRESSURE PORT	RANGE ¹	TYPE	ACCURACY (BFSL)	CONNECTOR ²
A = ¼" MNPT	PSI	1 = ABSOLUTE	5 = 0.5%	EC1 = 36" PIGTAIL ³
C = OTHER	BAR	2 = GAUGE	25 = 0.25%	EC4 = BENDIX PTIH-10-6P
	kPA	3 = VACUUM	1 - 0.1% BFSL	EC4 = BENDIX PTIH-10-6P
		4 = SEALED		ECX = OTHER

TYPICAL APPLICATIONS	
Laboratory/Research	Oil/Gas
Construction	Rocket/Jet Engine Testing
Diesel-Internal Combustion	Military
Geological Testing	Hydraulic Power Generation

SPECIFICATIONS

Media Compatibility	Gas/Liquid Compatible with wetted materials
Dynamic Frequency	Max 1MHz
Pressure Range	0-1.5 Psi to 015000 Psi
Overpressure	≥ 200% FS
Wetted Material	316 Stainless Steel
Output Signal	80±20 mV
Zero Offset	≤ 2mv
Excitation	1.5 mA or 9VDC
Long-Term Stability	<0.2% FS/Year
Compensated Temperature Range	0 to 70°C
Storage Temperature Range	-40 to 100°C
Operating Temperature Range	-10 to 80°C
Housing Material	316 Stainless Steel
Temperature Coefficient of Zero	0.3% FS/10°C
Temperature Coefficient of Span	0.3% FS/10°C
Input/output Resistance	1-6kΩ
Insulation Resistance	100MΩ@50VDC

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