

**Next Generation
Product**

**— Intelligent —
Pressure Sensor**

Model: HYZ Series



The Triple Features packed as all in one in a compact unit:

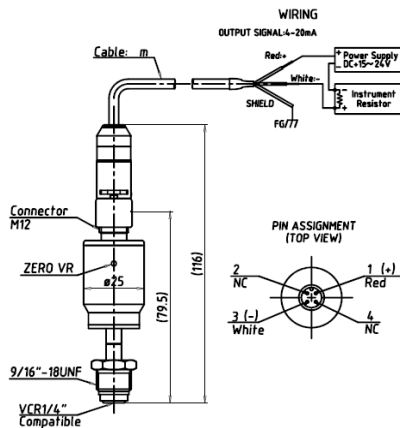
- 1. Zero Point Temperature Drift dramatically stabilized by integral temperature sensor inside**
- 2. Adoption of Hastelloy Diaphragm now makes it possible to measure the pressure of corrosive fluid and gases with no constraints.**
- 3. Accuracy of sensor's linearity improved drastically to be compensated by the mounted Original ASIC**

Sensing Collaboration
Tem-Tech Lab

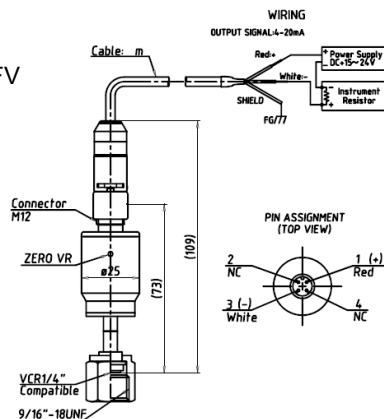
HYZ Series

Dimensions

HYZSNV *Example



HYZSFV



Specifications

Features	Thick Film / Strain Gauge / "Dry" = Fluid Less	
Application	Any Gases compatible with SS316L and Hastelloy	
Pressure Range	Zero point	0MPa or -0.1MPa
	Full scale	0.5MPa, 1MPa, 2MPa, 3.5MPa, 5MPa, 20MPa
Proof Pressure	2 × F.S. ; 1.5 × F.S (> 20MPa, 35MPa)	
Output	4 to 20mA	
Operating Temperature	-20 to 70°C (no-condensation)	
Compensated Temperature	0 to 50°C (no-condensation)	
Thermal Effect	±0.02% F.S./°C (std 25°C)	
Accuracy (include L.H.R)*1	±0.2% F.S.	
Materials	Materials exposed to gases	SS316L
	Diaphragm	Hastelloy C-22
Seal Method	Ultra Precision Electron Beam Welding	
Leak Integrity	5×10^{-12} Pa·m ³ /sec	
Surface Finish	EP treated Ra: <math><0.18\mu\text{m}</math> according to SEMI F19	
Power Supply	DC24V ± 10%	
Response Speed	Less than 5ms	
Approval	CE mark / RoHS compliant	

Ordering Information

Note: *1 Linearity, Hysteresis & Repeatability

Model	Type	Fitting	Fitting Type	Output	Connector	Fitting Size	Pressure Range					
HYZ	S	Single Ended	M Fixed Male	V VCR compatible	420	4-20mA	X M12	C1 1/4"	E	0-0.5MPa	S	-0.1-0.5MPa
			N Swivel Male					G	0-1MPa	T	-0.1-1MPa	
			F Swivel Female					J	0-2MPa	W	-0.1-2MPa	
								K	0-3.5MPa	X	-0.1-3.5MPa	
								L	0-5MPa	Y	-0.1-5MPa	
								Q	0-20MPa	Z	-0.1-20MPa	

Example : HYZSNV-420XC1G

Specifications are subject to change without notice.

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