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**

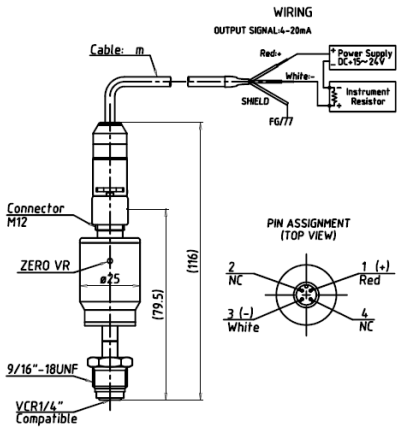
Sensing Collaboration

Tem-Tech Lab

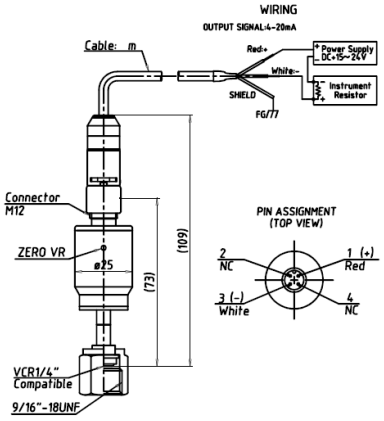
HYZ Series

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,35MPa
Proof Pressure		2×F.S. ; 1.5×F.S (＞ 20MPa,35MPa)
Output		4 to 20mA
Operating Temperature		-20 to 70℃(no-condensation)
Compensated Temperature		0 to 50℃(no-condensation)
Thermal Effect		±0.02%F.S/℃(std 25℃)
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:<0.18μm according to SEMI F19
Power Supply		DC24V±10%
Response Speed		Less than 5ms
Approval		CE mark / RoHS compliant

Note: *1 Linearity, Hysteresis & Repeatability

Ordering Information

Model	Type		Fitting		Fitting Type			Output		Connector		Fitting Size	
HYZ	S	Single Ended	N	Swivel Male	V	VCR compatible	−	420	4-20mA	X	M12	C1	1/4“
	T	Flow Through	F	Swivel Female						P	Pigtail	C2	3/8”

Example： HYZSNV-420XC1

Specifications are subject to change without notice.

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AGENT:

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