

azbil

Tem-Tech Lab

— New Products —
Ultra High Purity Transmitter

HYW Series



Market

Semiconductor/Flat panel Display/Photovoltaic

Measurement Fluid

Process Gas/High Purity Gas/Special high pressure Gas

Application

Cylinder Cabinet /Valve Manifold Box/Gas Panel/ Vaporizer

Water Process(Front End)

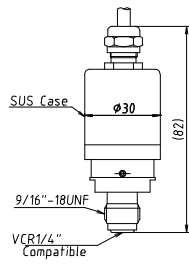
Diffusion/CVD/Etching

Features & Benefits

- *HASTELLOY diaphragm applied*
- *ATF(Advanced Thick Film) Technology-a Proprietary*
- *Temperature stability improvement by advanced technology*
- *Compact design*
- *Local Zero Adjustment*
- *CE Mark / RoHS compliant*

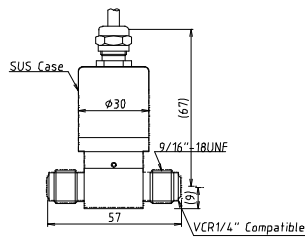
HYW Series

Single Ended



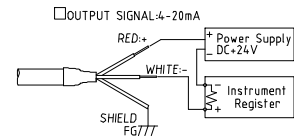
HYWSMV *Example

Flow Through

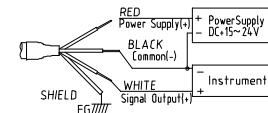


HYWTMV

WIRING



OUTPUT SIGNAL-Voltage Type



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, 7MPa, 20MPa
Proof Pressure		2 × F.S. ; 1.5 × F.S (> 20MPa)
Output		4 to 20mA
Operating Temperature		0 to 80°C
Compensated Temperature		0 to 60°C
Compensated Effect		±0.05%F.S/°C (std 25°C)
Accuracy(include L.H.R)*1		±0.3%F.S.
Materials	Materials exposed to gases	SS316L
	Diaphragm	Hastelloy C-22
	Sensor Case	SS304
Seal Method		Ultra Precision Electron Beam Welding
Leak Integrity		< 5 × 10 ⁻¹² Pa · m ³ / sec
Surface Finish		EP treated Ra: < 0.5 μm
Internal Volume	SMV, TMV	(SMV)0.67cm ³ , (TMV) 1.25cm ³
	SN(F)V, TN(F)V	(SN)0.89cm ³ , (SF)0.75cm ² , (TN(F)) 1.59cm ³
Power Supply		DC24V ± 10%
Response Speed		Less than 2ms
Remark		CE Mark / RoHS Compliant

Note: *1 Linearity, Hysteresis & Repeatability

Ordering Information (*Example: HYWSMV-420P1)

HYW	Type	Fitting	Fitting Type	Output	Connector	Fitting Size
	S	Single Ended	M Fixed Male	V VCR compatible	420 4-20mA	T Tajimi
T	Flow Through	F Swivel Female	U UJR	005 0-5V	P Pigtail	
		N Swivel Male		010 0-10V		

Specifications are subject to change without notice.

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1st Edition: Issued in Japan in 2011.8

V.1

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