

azbil

Tem-Tech Lab

— New Products —
Ultra High Purity Transmitter

ARH Series



Application

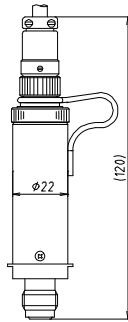
Innovative solution focused on specific user needs: stable, resilient and accurate operation, free from industrial constraints such as corrosive gases monitoring or temperature variance.
Best solution for monitoring Gas supply line.

Features & Benefits

- *HASTELLOY diaphragm applied*
- *ATF(Advanced Thick Film) Technology-a Proprietary*
- *Highest overpressure ratio tolerances on the market assure no degradation in zero repeatability or performance*
- *Superior accuracy in lower pressure ranges vs competitive brands*
- *Replaceable electronics*
- *CE Mark / RoHS compliant*

ARH SERIES

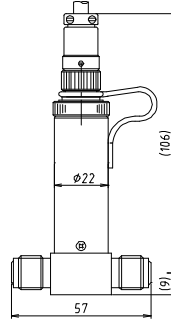
Single Ended



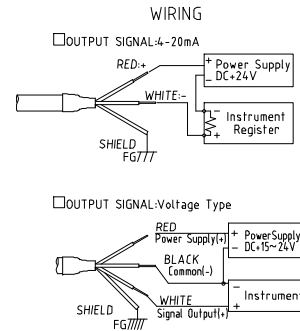
ARHSMV-□□□ T1

*Example

Flow Through



ARHTMV-□□□ T1



Specifications

Pressure Range	ZERO POINT	0MPa or -0.1MPa
	FULL SCALE	0.5MPa, 1MPa, 2MPa, 3.5MPa, 7MPa, 20MPa
Burst Pressure	2 × F.S. ; 1.5 × F.S (> 20MPa)	
Accuracy (L.H.R.*1)	±0.3%F.S	
Output	4-20mA	
Power Supply	DC24V	
Operating Temp.	0 to 80°C	
Compensated Temp.	0 to 60°C	
Thermal Effect	< ±0.05%FS/°C within compensated temp.	
Materials Exposed To Gases	Hastelloy C-22 SS316L	
Seal Method	Ultra Precision Electron Beam Welding	
Leak Integrity	<5 X 10 ⁻¹² Pam ³ /sec	
Surface Finish	EP treated Ra: < 0.5um	
Fitting	VCR(V)	
Electrical Connector	Pigtail (P), Tajimi (T)	
Fitting Size	1/4", 3/8", 1/2"	

Ordering Information (*Example: ARHSMV-420T1)

Note: *1 Linearity, Hysteresis & Repeatability

ARH	Type141	Fitting	Fitting Type			
	S Single Ended	M Fixed Male	V VCR compatible	Output	Connector	Fitting Size
	T Flow Through	F Swivel Female		420 4-20 mA	T Tajimi	1 1/4"
					P Pigtail	2 3/8"
						3 1/2"

Specifications are subject to change without notice.

Tem-Tech Lab

Head Office
 2-7-13 Tsukishima, Chuo-ku
 Tokyo 104-0052 Japan
 TEL:81-3-3534-5320 FAX:81-3-3534-5322
Osaka Branch
 #205 9-23 Minamikawahori-chou, Tennoji,
 Osaka, Osaka 543-0054 Japan
 TEL:81-6-6776-9270 FAX:81-6-6776-9271

URL: <http://www.tem-tech.co.jp/>
 Contact : hello@tem-tech.co.jp



AGENT:

1st Edition: Issued in Japan in 2008, 2nd Edition: 2011

No part of this publication may be reproduced or duplicated without the prior written permission of Tem-Tech Lab