

Advanced Technology for leak detection and management

H₂ + N₂ Mix Gas Leak Testing



(*Photo: FER-H2DS, with 2 sniffers)

Safe and Environmental Friendly

(Leak: 100% H₂, 95% N₂, Inert, Non-flammable, 100:10000)

1/10 Cost Reduction from Helium System

(Compared with Helium system)

High Leak Testing Quality as Helium System

Both Sniffer Type and Chamber Type are available

(Customization can be done as option, please ask in details.)

5% H₂ + 95% N₂ as Tracer Gas

Hydrogen Leak Detector **"FER-H2DS/WF/DC"**



JAVAC - The Professionals Choice

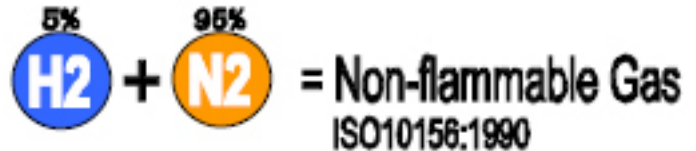
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...For Production Line...

Hydrogen Leak Detector "FER-H2DS/WF/DC"

H2 + N2 as a tracer gas—

New way to replace from Helium system



■ Features

● What are merits by using H2+N2 mix gas?

- H₂ is 1/15 lighter than Air. It will rapidly diffuse.
- Viscosity of H₂ is 1/2 less than Helium. It will not clogged or stopped on the surface.
- 5% H₂ and 95% N₂ is approved by ISO to be non-flammable gas. (ISO10156:1990)
- H₂ only exists 0.5ppm in the background, as compared with Helium which exists 5ppm.

● You can reduce initial investment and running cost

- You do not need to invest to gas recycle unit like Helium system.
- Gas cost is approx. 1/10 of Helium 100% gas.

● High spec and easy maintenance

- Newly developed durable semiconductor sensor with special filter
- Smart detection system with built-in mechanical filter and digital filter.

■ Specifications

M o d e l	FER-H2DS	FER-H2WF	FER-H2DC
Sensor Type	Semiconductor Sensor (Double Sniffer Type)	Semiconductor Sensor (Sniffer + Chamber Type)	Semiconductor Sensor (Double Chamber Type)
Highest Sensitivity	0.5ppm H ₂		
G a s	H ₂		
Gain Range	4 ranges *8 ranges max.		
D i s p l a y	LCD color Display, Digital Display, Buzzer (Buzzer volume and Alarm point Adjustable)		
Response Time	Within 1.0 sec. (@Gain 4, 200ml/min)	Left spec for Sniffer, Right spec for Chamber	Mwithin 5.0 sec. (@Gain 4)
Suction Pump	Automatic suction pump(Max. 1000ml/min)		
Buzzer Volume	8 ranges		
Operating Temp. and %RH	5~40°C, less than 80%RH		
P o w e r	AC100V-240V 50/60Hz		
Size and Wight	300(W)×160(H)×225(D)mm Approx. 4.0Kg		
Output Interface	DC 0-5V, AAC125V 1A, 3 output ports for alarm display		
Standard Accessory	Filter set for FER-H ₂ (5pcs) Instruction Manual		

* Specification above may be changed without notice.



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