

## H<sub>2</sub> DETECTOR FH2-HY03-GP01

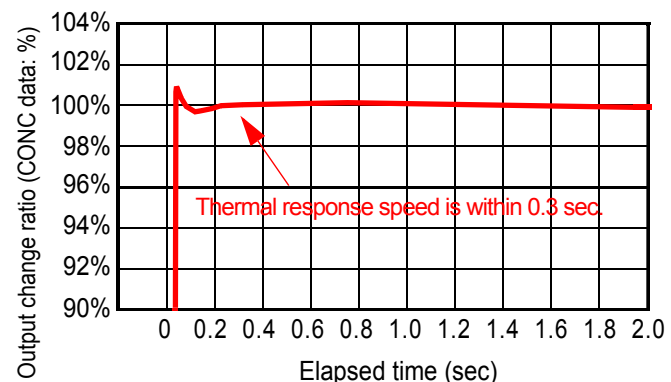
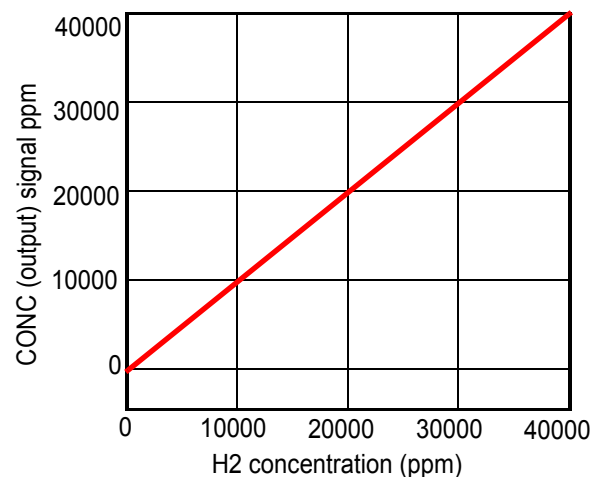
### for HYDROGEN LEAK DETECTION

The FH2-HY03-GP01 is a newly developed hydrogen detector, specifically designed for preventing hydrogen leaks in fuel-cell vehicles (FCV).

For this application, a reliable hydrogen sensor is required and FIS has developed a new catalytic combustion type hydrogen sensor HW-GP19 with a minimum mass and wide surface area using a unique granulous electroplating technology. The development of this sensor realizes a rapid response speed and strong poisoning resistance against silicone compounds. These features achieve the expected demands for long life in actual applications in automobiles, without any need for replacing detectors over a long period.

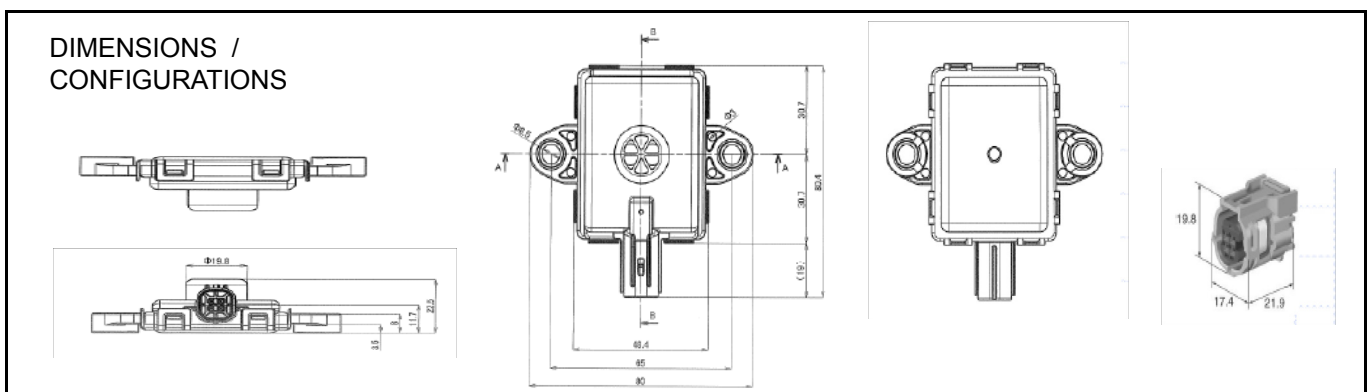
In combination with sophisticated electronics and software design, FIS offers the following features in hydrogen leak detection.

- **Rapid response speed**
- **High accuracy**
- **Wide operating/storage temperature range**
- **Variable output signal option**
- **Memory function for quality management**
- **Compact and light weight**
- **Long life**



## Specifications

Model	FH2-HY03-GP01	
SPECIFICATIONS-1 Sensing performance	Detection gas	Hydrogen
	Concentration range	0-4vol% in air
	Accuracy	± 10%
	Speed of response (T90)	< 3 seconds
	Start-up time	1 second
SPECIFICATION-2 Electrical	Supply voltage	9-16V
	Power consumption	1.0 W
	Output signal	PWM
	Connector type	
	ESD	available
	Reverse polarity	available
SPECIFICATION-3 Environmental	Operating temperature range	-35°C ~ 85°C
	Storage temperature range	-40°C ~ 105°C
	Humidity	0 ~ 99% RH
	EMC	Automotive
	Shock	100G
	Vibration	Automotive
	Water proofing performance	IPX 7
SPECIFICATION-4 Mechanical	Dimensions (LxWxH)	61.4(L) x48.4(W) x22.5(H)
	Weight	43g



Please contact

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