

H₂ SENSOR MODULE

FH2-HY11

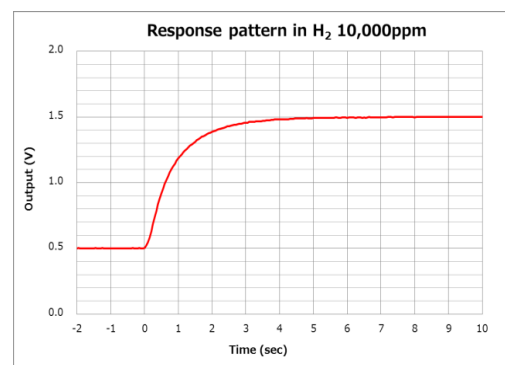
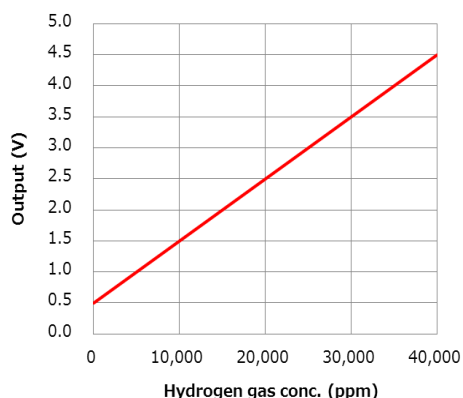
for HYDROGEN LEAK DETECTION

The FH2-HY11 is a newly developed hydrogen sensor module, specifically designed for preventing hydrogen leaks in fuel cell systems. For these applications, a reliable hydrogen sensors is required and FIS has developed a new catalytic combustion type hydrogen sensor with a minimum mass and wide surface area using a unique 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 various applications, without any need for replacing modules over a long period. In combination with sophisticated electronics and software design, FIS offers the following features in hydrogen leak detection.



Features

- Quick start-up time
- Rapid response speed
- Compact and light weight
- Long life
- High Selectivity



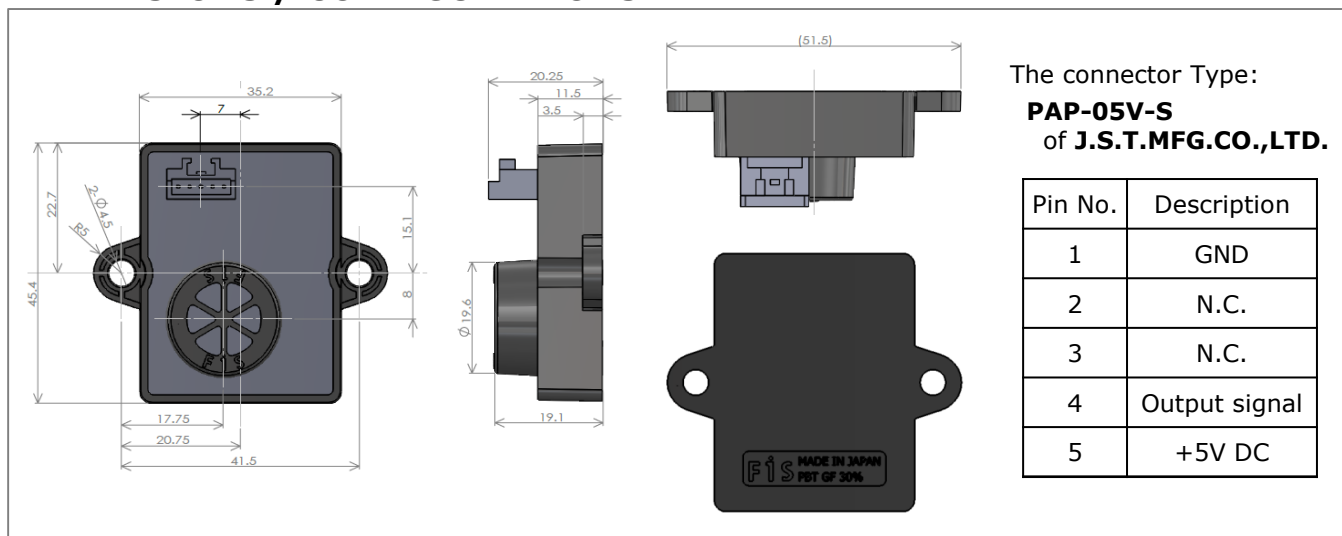
SPECIFICATIONS

H₂ SENSOR MODULE **FH2-HY11**

SPECIFICATIONS

Item	Contents
Detection method	Catalytic combustion
Detection gas / range	Hydrogen / 0 to 4 vol. %
Output signal	0.5 V to 4.5 V DC proportional to hydrogen gas concentration
Response speed (T80)	< 2 seconds
Start-up time	< 1 second
Supply voltage	5 V ± 0.25V DC
Power consumption	Approx. 0.25 W
Operating temperature	-35 °C to 85 °C (no condensation)
Storage temperature	-40 °C to 85 °C (no condensation)
Dimensions (without the attaching part)	35.2 (W) × 45.4 (D) × 20.25 (H) mm
Weight	Approx. 24 g
Applications	Fuel Cell systems for commercial/domestic fields

DIMENSIONS / CONFIGURATIONS



Please contact

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FIS Inc.

3-36-3 Kitazono, Itami, Hyogo
664-0891 JAPAN
Tel: +81-72-780-1800
Fax: +81-72-785-0073
<http://www.fisinc.co.jp/en/>