FH2-HY11

H_2 SENSOR MODULE

FH2-HY11

for HYDROGEN LEAK DETECTION

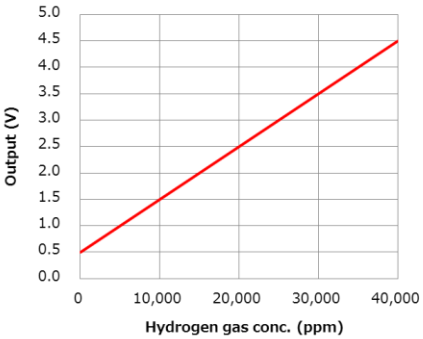
The FH2-HY11 is a newly developed hydrogen sensor module, specifically designed for preventing hydrogen leaks in fuel cell systems. For these applications, a reliable hydrogen sensors is required and FIS has developed a new catalytic combustion type hydrogen sensor with a minimum mass and wide surface area using a unique technology.

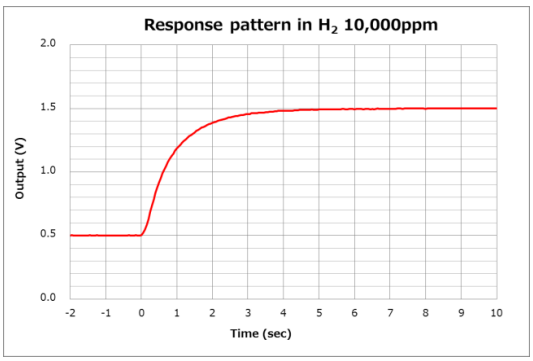
The development of this sensor realizes a rapid response speed and strong poisoning resistance against silicone compounds. These features achieve the expected demands for long life in various applications, without any need for replacing modules over a long period.

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**



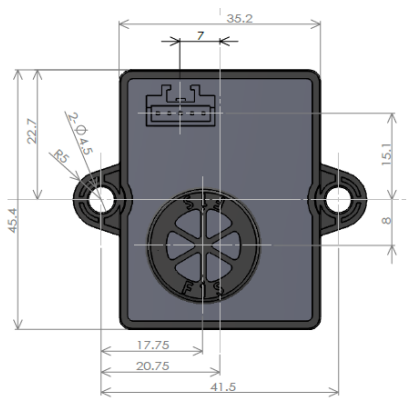


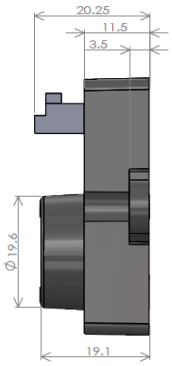
SPECIFICATIONS

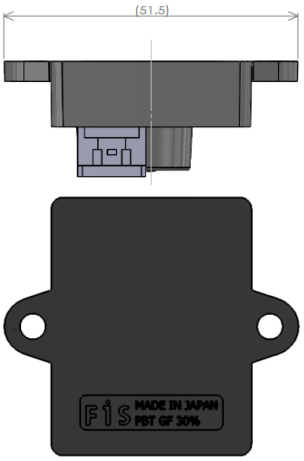
Specifications: FH2-HY11

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 ℃ to 85 ℃ (no condensation)
Storage temperature	-40 ℃ to 85 ℃ (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

DEMENSIONS / CONFIGURATIONS







The connector Type:

PAP-05V-S

of **J.S.T.MFG.CO.,LTD.**

Pin No.	Description
1	GND
2	N.C.
3	N.C.
4	Output signal
5	+5V DC

Please contact

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