

FH2-HY04

H₂ SENSOR MODULE

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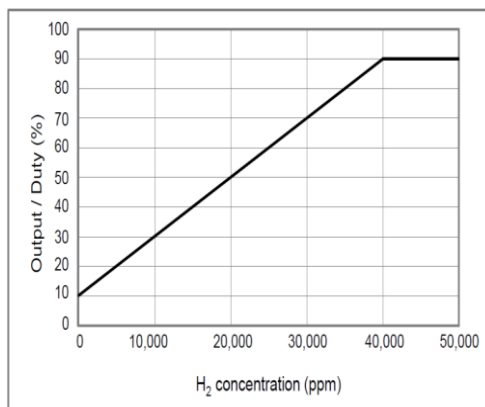
for HYDROGEN LEAK DETECTION

The FH2-HY04 is a newly developed hydrogen detector, specifically designed for preventing hydrogen leaks in fuel-cell vehicles (FCV). For this application, 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 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.



Features

- Quick start-up time
- Rapid response speed
- Long life
- High Selectivity



$$H_2 \text{ concentration (ppm)} = 500 \times (\text{Duty\%} - 10)$$

