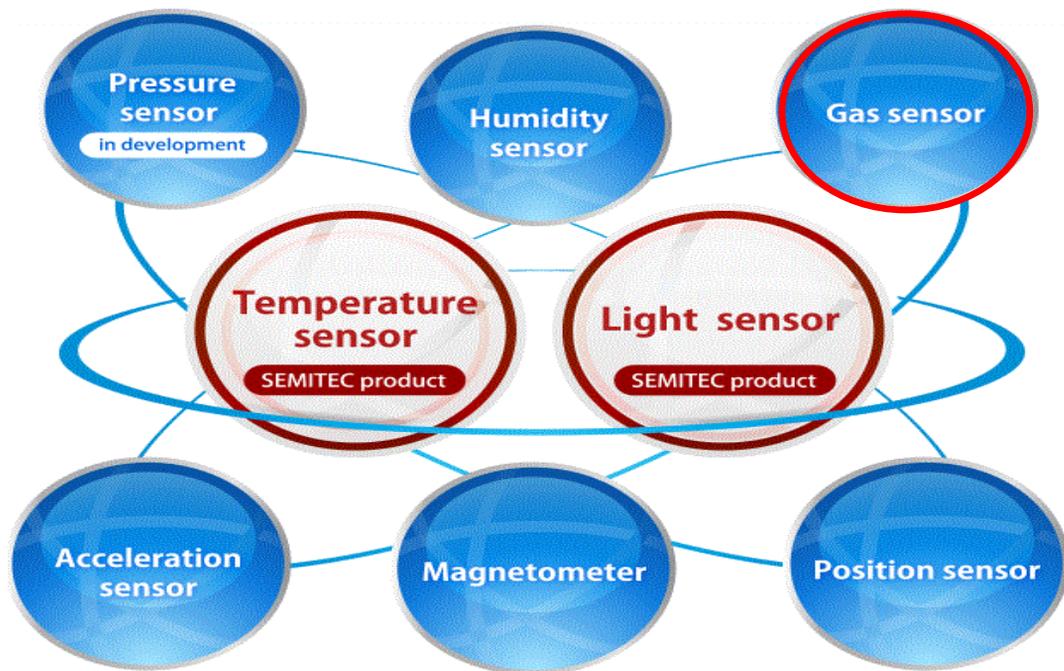


SEMITEC's Proposal for Future Sensor

HYDROGEN GAS SENSORS

Underdevelopment

Using SEMITEC'S original thin-film technology and semiconductor technology, we are striving to develop new sensors. The hydrogen gas sensor is one of the SEMITEC'S future sensors under development.

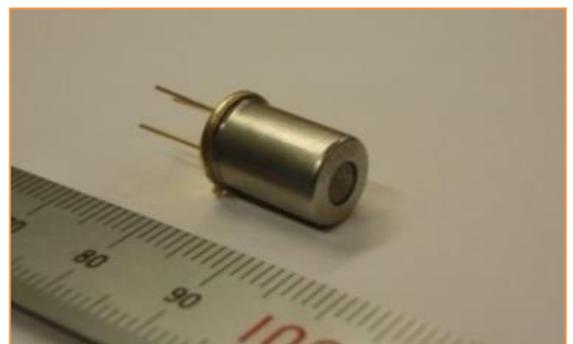


■ Features

- High sensitivity (can measure 1ppm of hydrogen gas)
- Superior to select objective gas (non-sensible for ethanol, CO)

■ Expected Application

- Breath, skin gas analysis
- Dialysis solution hydrogen gas analysis
- Tiny amount of hydrogen gas analysis



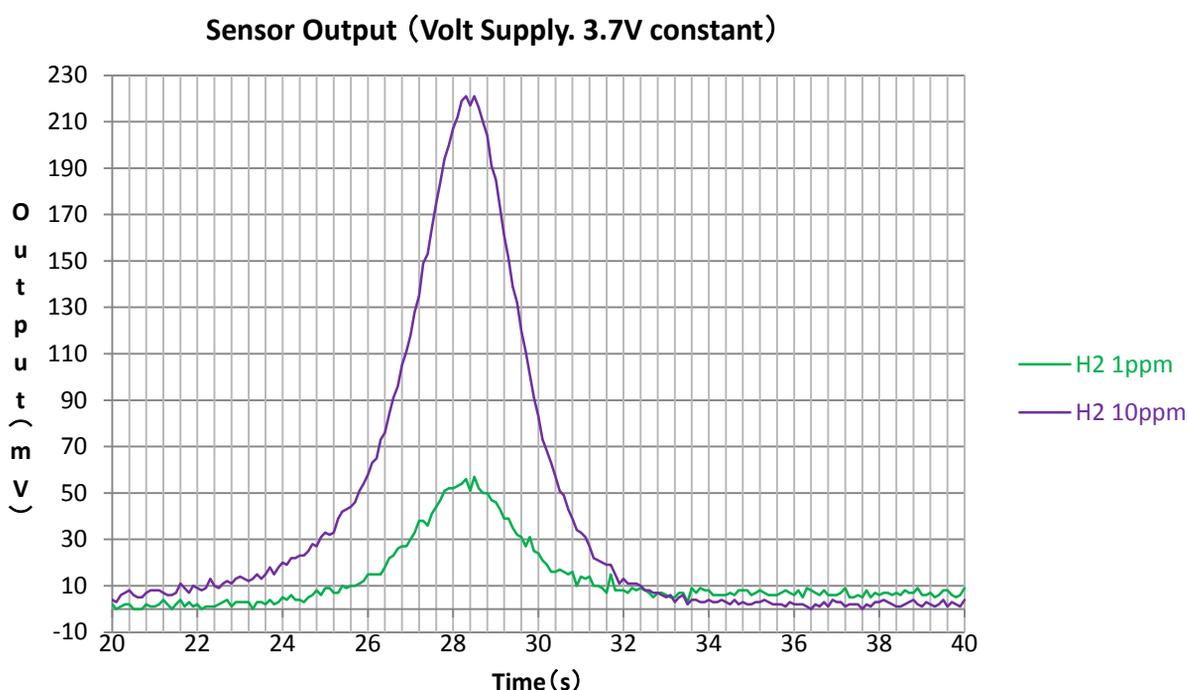
HYDROGEN GAS SENSORS

■ Scientific Principle

The SEMITEC's original thin-film thermistor technology is applied for the gas sensor. Thin-film thermistor technology makes it possible for measuring slight temperature change which has the superiority to measure the tiny amount of hydrogen gas.

■ Characteristic

The graph below explains the SEMITEC's hydrogen gas sensor characteristic. We have achieved to measure 1ppm hydrogen gas since the official announcement 100 ppm at March.1st. 2017 in HP.



(The above example is not a serial product.)

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