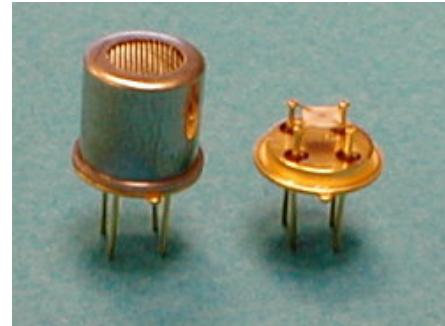


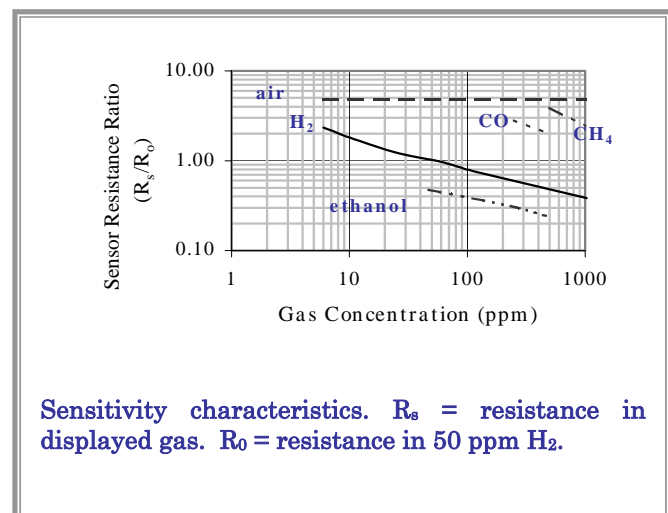
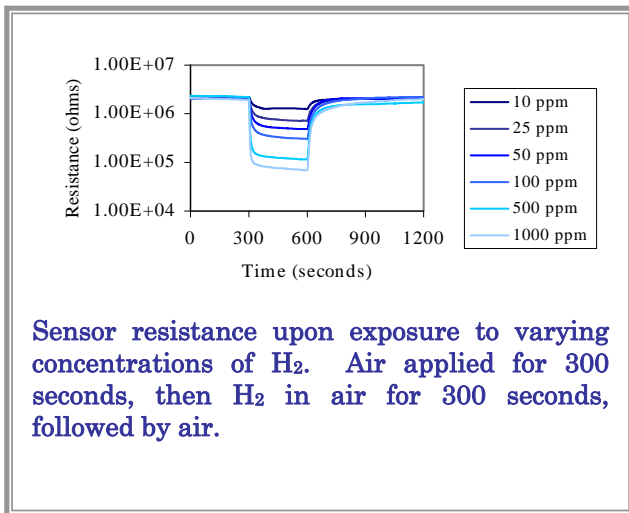
**SENSOR FEATURES:**

- High sensitivity to low hydrogen concentrations (10 – 1000 ppm)
- Fast response time (15 seconds at 100 ppm)
- Environmental temperature range of -20 to 50°C
- Environmental humidity range of 0 to 90% RH, non-condensing
- Low dependence on flow rate



**Sensor Response Characteristics**

The figures below show typical response and selectivity data for sensors operated in clean, dry gas.



**Electrical Characteristics**

The electrical properties below are typical for Trace Hydrogen Sensors. If the actual values differ the customer will be notified with the shipment. Circuits are available that will be preset to the correct values.

Property	Symbol	Value	Remarks
Heater Power Consumption	P <sub>H</sub>	~ 600 mW	At V <sub>H</sub> = 5.4
Heater Voltage	V <sub>H</sub>	5.4 VDC	T <sub>sensor</sub> ~240°C
Heater Resistance	R <sub>H</sub>	32Ω ± 2 Ω	At room temperature
Sensing Voltage	V <sub>C</sub>	5.0 VDC	Recommended