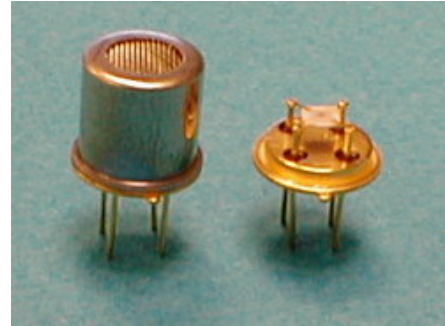


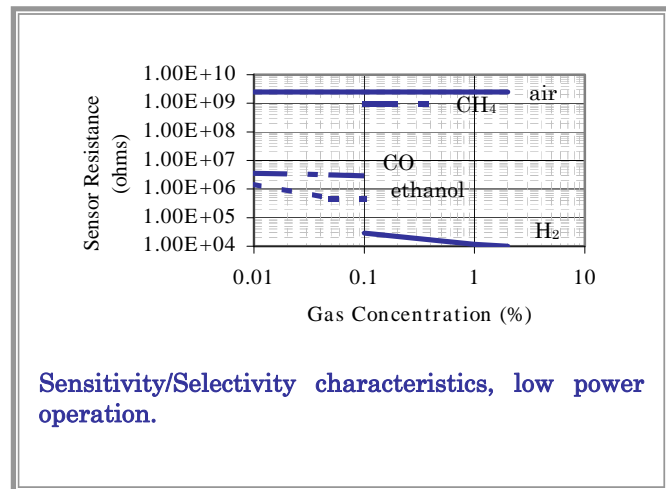
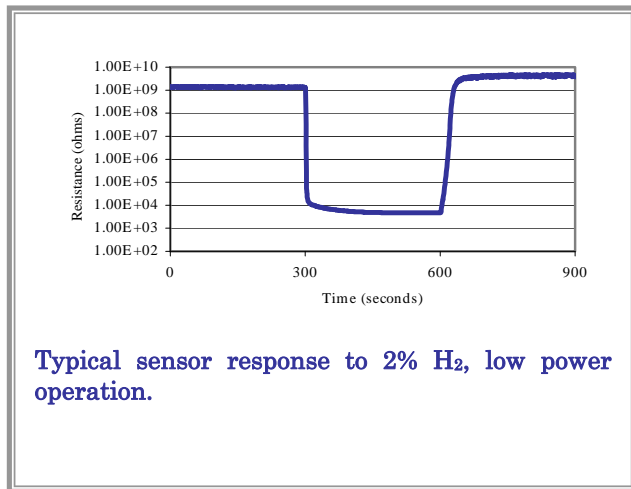
SENSOR FEATURES:

- High selectivity to hydrogen
- Low power operation LEL hydrogen detection (1000 ppm – 2%)
- Can be operated at room temperature (no heater power consumption)
- Can be used for ppm hydrogen detection (50 – 1000 ppm) at higher operating temperature and power (150°C/275 mW)
- Environmental humidity range of 0 – 90%, non-condensing



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 LEL Hydrogen Sensors. Heater information is for low power operation. 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 _H	~ 150 mW	At V _H = 2.1
Heater Voltage	V _H	2.1 VDC	T _{sensor} ~90°C
Heater Resistance	R _H	32 Ω ± 2 Ω	At room temperature
Sensing Voltage	V _C	5.0 VDC	Recommended