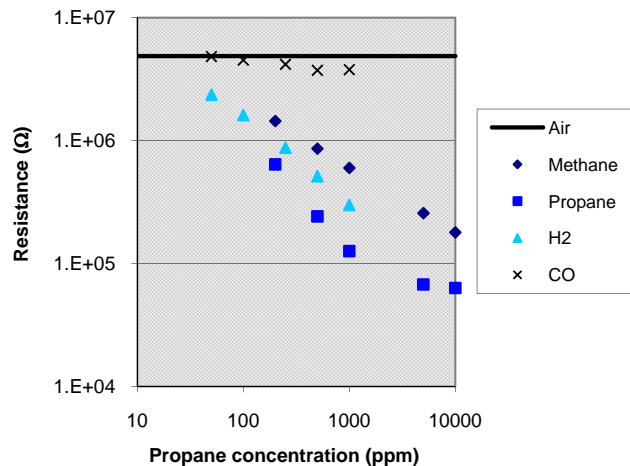
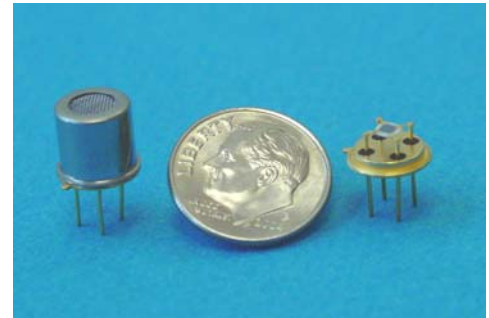
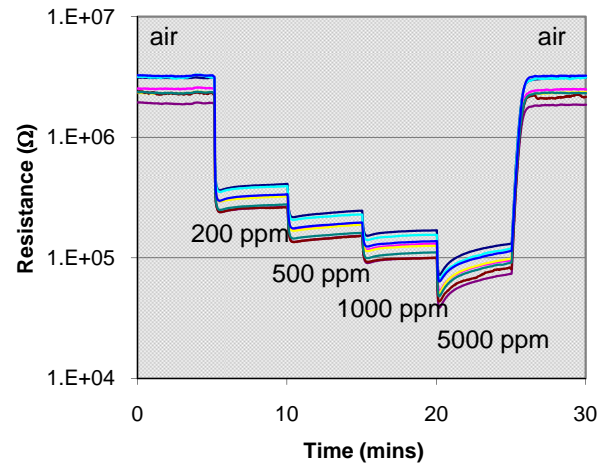


SENSOR FEATURES:

- High sensitivity to a wide range of flammable gases.
- Non-specific response, calibration factors available upon request.
- Typical response time < 1 minute to 90% full scale.
- Environmental temperature range of -20 to 50°C.
- Minimal response to environmental humidity over the range of 0 – 95%, non-condensing
- Rugged, reliable sensor based on Synkera’s exclusive technology.



Sensor Resistance as a function of concentration for several flammable gases



Typical sensor response to propane in a humid environment

Electrical Characteristics

The electrical properties below are typical for Flammable Gas 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_H	~ 900 mW	At $V_H = 7.0V$
Heater Voltage	V_H	5.3 VDC	$T_{sensor} \sim 300^\circ C$
Heater Resistance	R_H	$32 \Omega \pm 2 \Omega$	At room temperature
Sensing Voltage	V_C	5.0 VDC	Recommended