

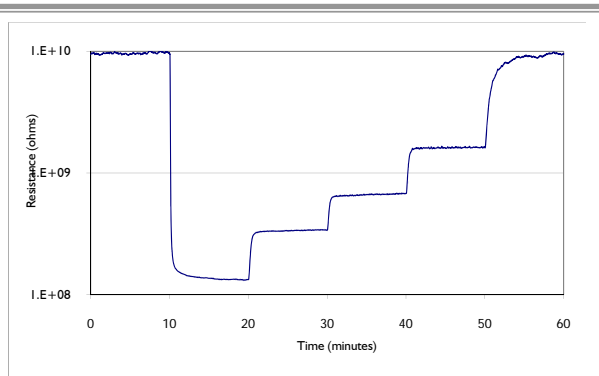
SENSOR FEATURES:

- Detection range of <25 to 10,000 ppm ammonia (NH₃).
- High selectivity to ammonia.
- Minimal response to changing environmental humidity.
- Response is unaffected by prolonged exposures to, or high concentrations of ammonia.
- Sensor response is not affected by H₂S.

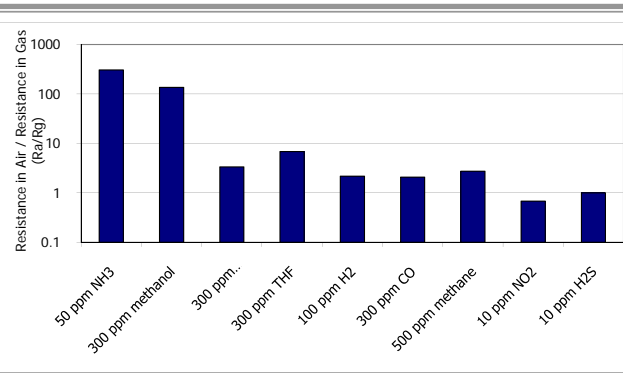


Sensor Response Characteristics

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



Typical sensor response to varying levels of ammonia. Air – 300 ppm – 150 ppm – 75 ppm – 25 ppm - Air



Selectivity of ammonia sensor. Note Ra/Rg = 1 indicates no response to gas, Ra/Rg < 1 indicates sensor response in opposite direction.

Electrical Characteristics

The electrical properties below are typical for Ammonia 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	~ 975 mW	At V _H = 7.5
Heater Voltage	V _H	7.5 VDC	
Heater Resistance	R _H	31 Ω ± 2 Ω	At room temperature
Sensing Voltage	V _C	5.0 VDC	Recommended