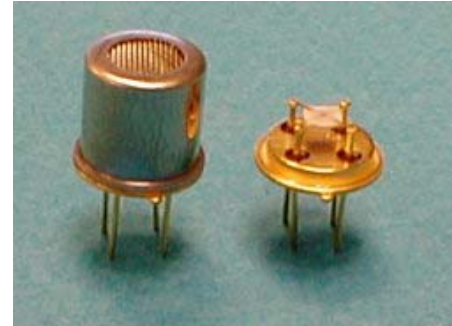


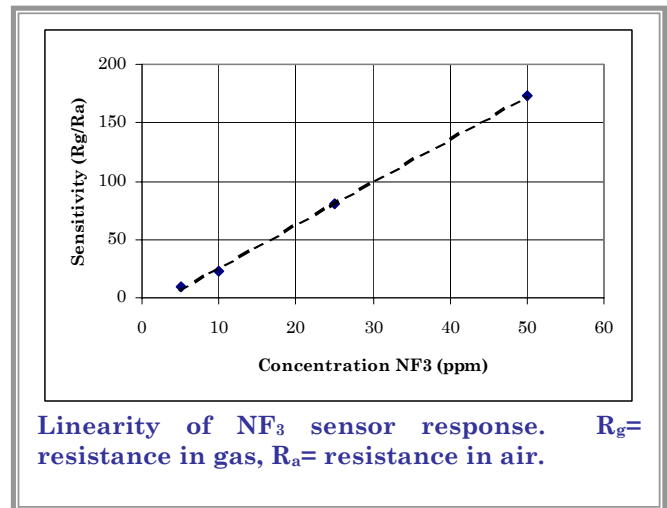
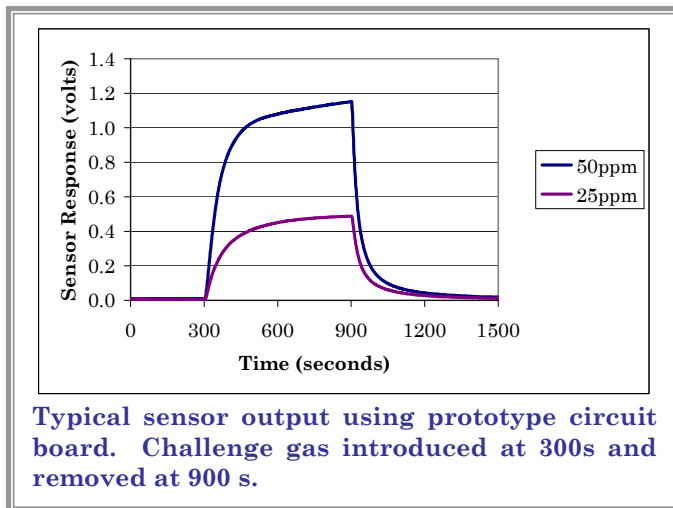
SENSOR FEATURES:

- Sensor being developed under Army SBIR contract for HELSTF.
- Easy to measure resistance output with large response to NF_3 .
- Limited quantities of prototype sensors/boards available for evaluation.
- Instrumentation development in progress.
- 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 Nitrogen Trifluoride Sensor prototypes. 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 | ~750 mW | At $V_H = 6.0$ |
| Heater Voltage | V_H | 6.0 VDC | $T_{\text{sensor}} \sim 250^\circ\text{C}$ |
| Sensing Voltage | V_C | 5.0 VDC | Recommended |