

**Sensor for
Hydrogen Sulfide**

Model 705 Sensor for Hydrogen Sulfide

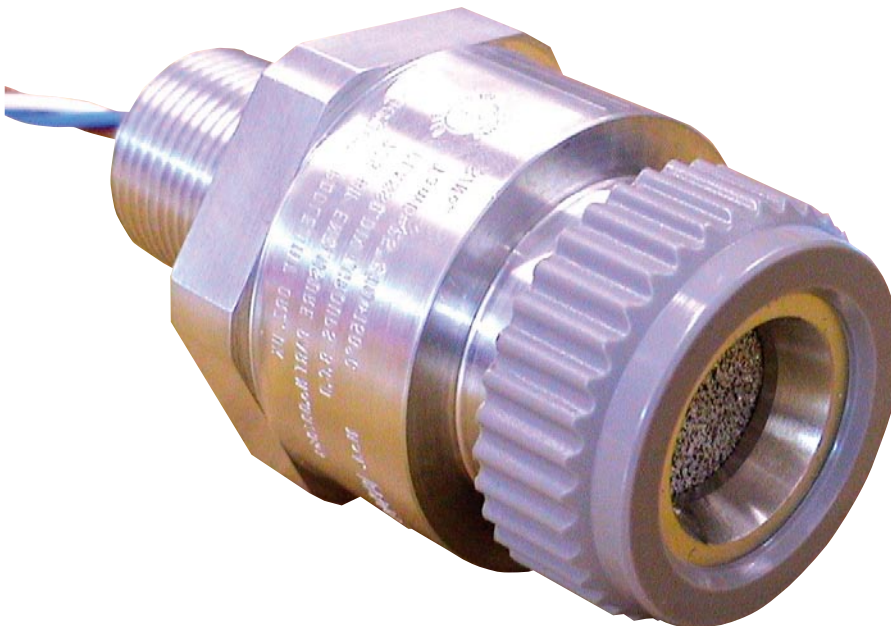


Features

- Fast response.
- Low cost, high performance design.
- Operates in continuous backgrounds of H₂S, or in clean air, without 'going to sleep.'
- Low power consumption.
- Accurate, trouble free gas detection.
- Corrosion resistant aluminum construction.
- Low maintenance, with calibration intervals of 6 months.
- Unaffected by moisture.
- Tested in salt spray atmospheres.
- Two year warranty.
- Not permanently affected by exposure to high gas concentrations. Remains in calibration after exposure.

The model 705 sensor for the detection of hydrogen sulfide is a low-cost, explosion proof assembly fitted with a 'Sieger' long-life electrochemical cell.

Fully encapsulated, the model 705 is approved for use in Hazardous Areas. The three-electrode electrochemical cell is designed to be maintenance free and stable over long periods of time. It is almost unaffected by moisture, and the response time is not temperature dependent. In normal operation hydrogen sulfide gas diffuses through a permeable membrane and reacts to release electrons. These electrons produce a current which is directly and linearly proportional to the concentration of hydrogen sulfide.



General Specification



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Gas and Range	hydrogen sulfide; 0 to 100ppm.
Operating Temperature	-50°F to +139°F (-45°C to +54°C).
Operating Humidity	0 to 99% RH (non-condensing).
Response Time – T90	typically less than 30 seconds.
Signal Output	4 to 20mA transmitter required. (Consult your local distributor).
Linearity	better than $\pm 3\%$ FSD.
Sensitivity	1ppm LDL.
Accuracy	better than $\pm 3\%$ FSD.
Zero Drift	less than 4% per year.
Construction Materials	aluminum.
Mounting Thread	3/4 - inch NPT.
Approvals	CSA & UL approved, Class 1, Division 1, Groups B,C & D.

