



**Sensor for
Hydrogen Sulphide**

Model 705 Sensor for Hydrogen Sulphide



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 Sulphide is a low-cost, explosion proof assembly fitted with a 'Sieger' long-life electrochemical cell.

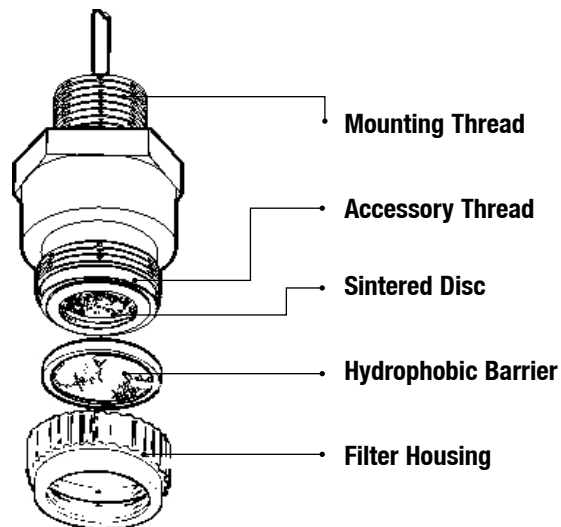
Fully encapsulated, the Model 705 is approved for use in hazardous areas. The three-electrode electrochemical cell is designed to be maintenance free and stable over long periods of time. It is almost unaffected by moisture, and the response time is not temperature dependent. In normal operation Hydrogen Sulphide 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 Sulphide.



General Specification



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Gas and Range	Hydrogen Sulphide; 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.



Our Product Range



Fixed Gas Monitoring

Honeywell Analytics offers a wide range of fixed gas detection solutions for a diverse array of industries and applications including: Commercial properties, industrial applications, semiconductor manufacturers, energy plants and petrochemical sites.

- » Detection of flammable, oxygen and toxic gases (including exotics)
- » Innovative use of 4 core sensing technologies – paper tape, electrochemical cell, catalytic bead and infrared
- » Capability to detect down to Parts Per Billion (ppb) or Percent by Volume (%v/v)
- » Cost effective regulatory compliance solutions

Portable Gas Monitoring

When it comes to personal protection from gas hazards, Honeywell Analytics has a wide range of reliable solutions ideally suited for use in confined or enclosed spaces.

These include:

- » Detection of flammable, oxygen and toxic gases
- » Single gas personal monitors – worn by the individual
- » Multi-gas portable gas monitors – used for confined space entry and regulatory compliance
- » Multi-gas transportable monitors – used for temporary protection of area during site construction and maintenance activities

Technical Services

At Honeywell Analytics, we believe in the value of great service and customer care. Our key commitment is providing complete and total customer satisfaction. Here are just a few of the services we can offer:

- » Full technical support
- » Expert team on hand to answer questions and queries
- » Fully equipped workshops to ensure quick turnaround on repairs
- » Comprehensive service engineer network
- » Training on product use and maintenance
- » Mobile calibration service
- » Customised programmes of preventative/corrective maintenance
- » Extended warranties on products

Find out more

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