

705 HT Series Of Flammable Gas Sensors

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Overview



The Model 705 high temperature sensor has been specifically designed for the detection of combustible gases in high temperature hazardous area locations. Typical applications include turbine enclosures and drying ovens used in solvent based printing and coating machines.

These applications require a sensor that provides reliable and stable detection allowing low-level alarm settings across a wide temperature range. Utilizing a specially matched pair of Sieger poison resistant combustible gas detection elements, the Model 705 High Temperature Sensor has a very stable baseline allowing alarm trip points to be set as low as 5% LEL across a temperature range of -25°C to $+150^{\circ}\text{C}$ (-3°F to $+302^{\circ}\text{F}$). The gas measuring range can be configured from 0-20% LEL up to 0-100% LEL depending on the type of controller used.

The detector elements are housed in a UL hazardous area approved explosion proof assembly, and provide an industry standard 3 wire mV bridge output which can be connected to a suitable control device or converted to an analog output signal via a field transmitter.

Additional Features and Benefits:

Excellent Performance:

- Certified for hazardous location operation up to $+150^{\circ}\text{C}$ ($+302^{\circ}\text{F}$)
- Alarm trip points as low as 5% LEL
- Fast speed of response
- Poison resistant detectors
- Low power consumption

Cost Effective:

- Low cost disposable sensor
- Greater than 5 year typical operating life

Reliable Operation:

- Specially matched 'Sieger' detectors provide highest stability
- Proven technology from the World leader in combustible gas detection

Flexibility:

- Measuring ranges from 0-20% LEL to 0-100% LEL
- Wide range of accessories

Robust Construction:

- UL approved explosion proof enclosure
- High grade Aluminum construction.

Even the best products deserve expert maintenance!

Elevate your gas detectors' potential with Honeywell's expert maintenance services! Maximize uptime, eliminate costs, and ensure on-time, on-budget project completion.

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Specifications

BRAND

Brand

- Honeywell

CATEGORY

Sub-Category

- Gas Detection Sensors & Transmitters

Product Number

00705-A-1733 705 Flammable Detector- Aluminium- UL- 3/4NPT- 0-100% LEL

00705-A-1735 705 High Temperature Flammable Detector- Aluminum- 150 deg C- UL- 3/4NPT

00705-A-1736 705 Flammable Detector- Aluminium- INMETRO- 3/4NPT- 0-100% LEL

00780-A-0035 HOUSING SAMPLE FLOW SS

2430-0021 Junction Box: 3 Terminal: NEMA 4X

Alternative Products



[Sensepoint XCD RTD](#)

[Sensepoint XCD RTD](#)



[Sensepoint XCD](#)

[Sensepoint XCD](#)



[Sensepoint XRL](#)

[Sensepoint XRL](#)

Honeywell

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