The Sensepoint range of flammable, toxic and oxygen gas detectors offer users a low cost solution to their gas monitoring needs.
The Sensepoint range of flammable, toxic and oxygen gas detectors offer users a low cost solution to their gas monitoring needs, in or out of doors and even in potentially explosive atmospheres. Supplied with a pre-wired junction box, a detector can be installed using conduit or armored cable and glands depending on individual site standards.

One-Stop Shop
- Flammable, toxic and oxygen versions available
- Suitable for indoor or outdoor use
- IP65 as standard

Proven Sensor Technology
- Surecell® electrochemical sensors
- Poison resistant catalytic bead
- Fast and reliable
- Typical 2 to 5 years operational life

ATEX Certified
- Complies with the latest European standards
- Hazardous area approval AND performance
- Can be used for uncertified applications

Easy to Use
- Factory set operation
- Simple to replace
- Minimal training required

Friendly Installation
- Universal junction box
- One box, three entries
- Metric and NPT compatibility
- Includes earth continuity plate for added RFI protection

Range of Accessories
- Weather Housing (IP66)
- Flow adaptor
- Duct mounting kit
- Collecting cone

Sensepoint flammable and toxic gas detectors are designed for use in potentially explosive atmospheres and allow for hands free, unhindered access, to terminals via the hinged lid of the junction box. Installation should follow national guidelines using suitably approved armored cable and glands or conduit.

Supplied with earth continuity plate for improved immunity to RFI the junction box offers the installer a choice of 1/2", 3/4" and M20 connection via conduit or armored cable and Exe certified cable glands. Terminals are suitable for use with screened 0.5mm² (20AWG) to 2.5mm² (14AWG) cross sectional area cable, as needed to ensure minimum operating voltage at the detector, depending upon installed cable length.

Sensepoint flammable, toxic and oxygen gas detectors are designed for direct connection with the Zareba range of Touchpoint controllers.

Contact Honeywell Analytics for details.
Installation Details

Sensepoint flammable and toxic gas detectors allow for hands free, unhindered access, to terminals via the hinged lid of the junction box.

Supplied with earth continuity plate for improved immunity to RFI the junction box offers the installer a choice of 1/2”NPT, 3/4”NPT and M20 connection via conduit or steel wire armored cable and Exe certified cable glands.

Sensepoint flammable, toxic and oxygen gas detectors are designed for direct connection with the Zareba range of Touchpoint controllers. Contact Honeywell Analytics for details.

Dimensions

<table>
<thead>
<tr>
<th></th>
<th>Flammable Version</th>
<th>Toxic &amp; Oxygen Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Wire mV Bridge Circuit</td>
<td>2 Wire 4-20mA (Sink)</td>
<td></td>
</tr>
<tr>
<td>102mm / 4.0&quot;</td>
<td>102.0mm / 4.0&quot;</td>
<td></td>
</tr>
<tr>
<td>156.0mm / 6.1&quot;</td>
<td>75.0mm / 3.0&quot;</td>
<td></td>
</tr>
<tr>
<td>ø 60.0mm / 2.4&quot;</td>
<td>34.0mm / 1.3&quot;</td>
<td></td>
</tr>
<tr>
<td>202.0mm / 8.0&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Technical Summary

General Specification

Use
Low cost, fixed point gas detector for the protection of personnel and plant from flammable, toxic and oxygen gas hazards

Detectable Gases

<table>
<thead>
<tr>
<th>Ident</th>
<th>Name</th>
<th>Measuring Range</th>
<th>Operating Temperature*</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>Flammable</td>
<td>0-100% LEL</td>
<td>-40°C / -40°F / 50°C / 122°F</td>
</tr>
<tr>
<td>D</td>
<td>Oxygen</td>
<td>0-25% VOL</td>
<td>-15°C / 5°F / 40°C / 104°F</td>
</tr>
<tr>
<td>C</td>
<td>Carbon Monoxide</td>
<td>0-200ppm</td>
<td>-20°C / -4°F / 50°C / 122°F</td>
</tr>
<tr>
<td>H</td>
<td>Hydrogen Sulfide</td>
<td>0-50ppm</td>
<td>-25°C / -13°F / 50°C / 122°F</td>
</tr>
<tr>
<td>G</td>
<td>Hydrogen</td>
<td>0-1000ppm</td>
<td>-5°C / 23°F / 40°C / 104°F</td>
</tr>
<tr>
<td>L</td>
<td>Chlorine</td>
<td>0-5ppm</td>
<td>-20°C / -4°F / 50°C / 122°F</td>
</tr>
<tr>
<td>S</td>
<td>Sulfur Dioxide</td>
<td>0-15ppm</td>
<td>-15°C / 5°F / 40°C / 104°F</td>
</tr>
<tr>
<td>N</td>
<td>Nitrogen Dioxide</td>
<td>0-10ppm</td>
<td>-15°C / 5°F / 40°C / 104°F</td>
</tr>
<tr>
<td>A</td>
<td>Ammonia</td>
<td>0-50ppm</td>
<td>-20°C / -4°F / 40°C / 104°F</td>
</tr>
</tbody>
</table>

- SureCell™ Sensing Technology

Construction

Electrical

Flammable (0-100% LEL)
3 wire mV bridge
2.9-3.5V, 0.7W
200mA constant current

Toxic & Oxygen
2 wire loop powered 4-20mA (plus screen)
16-30Vdc, 0.9W

Junction Box
Earth continuity plate
BK4 terminal block (4 way)
200mA constant current
4 x 0.5mm² (20AWG) to 2.5mm² (14AWG)
1 x M20, 1 x 3/4” NPT, 1 x 1/2” NPT

Material

Polyphenylene Sulfide (PPS)

Weight

190g

Certification

Ex II 2 G D EExd IIC T6 T85 Deg C
T_max = -55°C to +55°C
BAS984TEX2156X
SIRA03ATEX1116X (Performance)

Ex II 2 G D EExd Ia IIC T4 T135 Deg C
T_max = -55°C to +65°C
BAS984TEX2157X

Ex II 2 G D EExe II T6 T85 Deg C
T_max = -40°C to +50°C
SIRA04ATEX3018

Applicable Standards

This product complies with the relevant CE standards including:
EMC to EN60270, Flammable to EN50054, Toxic to EN445544 (H, S only)

Environmental

IP Rating
IP65 standard, IP66 with weather protection in accordance with EN60529:1992

Operating Temperature
Dependent upon gas type and certification

Operating Humidity Range
Continuous: 20-90%RH (non condensing), Intermittent: 10-99%RH (non condensing)

Operating Pressure
90-110kPa

Storage Conditions
Instruments -40°C to +50°C (-40°F to +122°F)

* Oxygen detection products must only be used to detect oxygen depletion in air.
Ordering Information

**e.g. SPSTAX**

H 1 = SPSTXXH1

<table>
<thead>
<tr>
<th>GAS TYPE</th>
<th>RANGE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>F Flammable</td>
<td>1</td>
<td>Refer to Table Above</td>
</tr>
<tr>
<td>O Oxygen</td>
<td>2</td>
<td>Detectable Gases</td>
</tr>
<tr>
<td>C Carbon Monoxide</td>
<td>3</td>
<td>Refer to Table Above</td>
</tr>
<tr>
<td>H Hydrogen Sulfide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G Hydrogen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L Chlorine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S Sulfur Dioxide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N Nitrogen Dioxide</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Standard Supply**

Each detector is supplied complete with junction box, multiple cable entries, earth continuity plate, hinged lid and instruction leaflet, all sealed in a plastic bag inside a shipping carton.

**Shipping Details**

Shipping carton dimensions: L160mm (6.3") x W215mm (8.5") x 80mm (3.1")

Approximate weight: 800g

**Optional Accessories**

- 02000-A-1645 Calibration gas flow housing (for flammable & toxic)
- 00780-A-0160 Right angle mounting bracket for ceiling mounting
- 02000-A-1640 Weather Housing for use with flammable detector including remote gassing nozzle
- 02000-A-1635 Weather Housing for use with toxic/oxygen detector including remote gassing nozzle
- 02000-A-1642 Collecting cone for use with flammable detector

**Calibration Equipment**

Contact Honeywell Analytics Representative
As World leaders in gas detection solutions, Honeywell Analytics’ Zareba range of gas detection systems has been designed to provide efficient, practical and cost-effective equipment to protect people from a variety of forms of hazardous gas. The equipment is also simple to install and easy to operate and maintain.

The Zareba range of fixed gas detection

<table>
<thead>
<tr>
<th>Sensepoint</th>
<th>Sensepoint Plus</th>
<th>Sensepoint Pro</th>
<th>Touchpoint 1</th>
<th>Touchpoint 4</th>
</tr>
</thead>
</table>

**Sensepoint range**
Designed for industrial use, the Sensepoint range provides an easy way of ensuring legislative requirements are met.

**Touchpoint**
Designed for industrial use, the Touchpoint range provides an easy way of ensuring legislative requirements are met. It is particularly suited where a number of small, discrete, stand-alone systems are required.

**Metro**
For commercial environments such as car parks, municipal buildings and retail facilities, Metro offers a fully programmable, addressable gas detection system.

**Unipoint**
Unipoint is a simple DIN rail mounted controller offering integrators a flexible and low cost solution to incorporate flammable, toxic or oxygen gas detection into their control systems. From car parks and boiler houses to analyzer shelters or crane cabs in offshore facilities.

Authorized Distributor:
GasDetectorsUSA.com
Houston, TX USA
832-615-3588
sales@GasDetectorsUSA.com

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