Hazardous Gas Detection Solutions

Designed for Extreme Conditions—Performance and Safety Approved
Det-Tronics performance-tested hazardous gas detection products require minimal maintenance.

Certified SIL 2 capable
Third-party performance verified
Individually tested before deployment
Global approvals and certifications

Det-Tronics offers a range of hazardous gas protection solutions from a single component to complete systems. Designed for protection of people, processes and property in critical industrial applications—even under the most extreme conditions. Built to minimize total cost of ownership, our gas detection solutions increase your reliability and reduce your maintenance costs.

▲▲

Designed for extreme environments
Support multiple communication options
Third-party performance-tested and meet required certifications
Local status reporting and non-intrusive, easy calibration

Advanced Solutions

Your Solutions Partner

Flexible to Your Needs

Each product is tested prior to leaving the factory

Solutions are tested before being commissioned

Advanced Layers of Detection

**Advanced Solutions**

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Third-party performance-tested and meet required certifications
Local status reporting and non-intrusive, easy calibration

**Advanced Layers of Detection**

**POINT GAS DETECTION**
Detect toxic or combustible gases using electrochemical, catalytic, or infrared technology

**LINE-OF-SIGHT GAS DETECTION**
Continuously monitor combustible hydrocarbon gas levels between two points with infrared technology

**ACOUSTIC LEAK DETECTION**
Detect pressurized gas leaks instantly without contact, regardless of wind direction

**Solutions Designed to Your Specifications**

CGS Catalytic Bead Sensor with FlexVu® UD10 Universal Display is a cost effective solution for a range of combustible gases.

PointWatch Eclipse® Infrared Hydrocarbon Gas Detector with or without FlexVu® UD10 Universal Display offers widest functionality with leading performance.

NEW PRODUCT

**Solutions Designed to Your Specifications**

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NEW PRODUCT
FLEXSONIC® ACOUSTIC LEAK DETECTOR
▲ Instantaneous response to pressurized gas leaks; no contact with gas required
▲ Sensitivity unaffected by wind direction or leak location
▲ Foam filter option for protection in dry, sandy environments
▲ Standard base settings useful for most applications
▲ Patented Learn Function customizes detection to ignore ultrasonic false alarm sources
▲ exida safety award winner

POINTWATCH ECLIPSE® INFRARED HYDROCARBON GAS DETECTOR
▲ Top selling gas detector
▲ Performance certified to detect methane, propane, ethylene and butane
▲ Rugged IP66/67 stainless steel construction and extended interval testing
▲ Local indication and intrinsically safe HART port; local display optional
▲ Global certifications (SIL 2/FM/CSA/ATEX/IECEx)
▲ 5-year device warranty

CGS CATALYTIC BEAD SENSOR
▲ Best sensor for high temperature and hydrogen detection applications
▲ Cost-effective solution to detect a broad range of combustible gases
▲ Rugged, stainless steel construction
▲ Certified SIL 2 capable when used with FlexVu® UD10 or UD30 universal display

GT3000 ELECTROCHEMICAL TOXIC GAS DETECTOR
▲ Detects hydrogen sulfide, hydrogen, oxygen, carbon monoxide, nitrogen dioxide, ammonia, chlorine or sulfur dioxide
▲ Certified SIL 2 capable (oxygen and hydrogen sulfide) sensors
▲ Intrinsically safe sensors can be hot-swapped in the field
▲ Certified SIL 2 capable when used with FlexVu® UD10 or UD30 universal display

FLEXSIGHT™ LS2000 LINE-OF-SIGHT INFRARED HYDROCARBON GAS DETECTOR
▲ Fast and easy to install, align, commission and maintain
▲ Wide optical field of view (0.8°), consistent signal strength, and robust housing design help meet rigorous performance standards
▲ Performance approved with 95% obscuration
▲ Ten-year IR source warranty; 5-year device warranty
▲ exida safety award winner

Acoustic Leak Detection
FLEXSONIC® ACOUSTIC LEAK DETECTOR
▲ Instantaneous response to pressurized gas leaks; no contact with gas required
▲ Sensitivity unaffected by wind direction or leak location
▲ Foam filter option for protection in dry, sandy environments
▲ Standard base settings useful for most applications
▲ Patented Learn Function customizes detection to ignore ultrasonic false alarm sources
▲ exida safety award winner

Point Combustible Gas Detection
FLEXSONIC® ACOUSTIC LEAK DETECTOR
▲ Fast and easy to install, align, commission and maintain
▲ Wide optical field of view (0.8°), consistent signal strength, and robust housing design help meet rigorous performance standards
▲ Performance approved with 95% obscuration
▲ Ten-year IR source warranty; 5-year device warranty
▲ exida safety award winner

Universal Displays
FLEXVU® UNIVERSAL DISPLAY FAMILY
▲ Supports both Det-Tronics combustible and toxic gas sensors and other 4-20 mA devices
▲ Non-intrusive, one-person calibration, logging and diagnostics
▲ Easy to integrate and navigate

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<table>
<thead>
<tr>
<th>Model</th>
<th>Operating Temp. Range</th>
<th>Certification</th>
<th>Display Options</th>
<th>Color LCD</th>
<th>PME/PG</th>
<th>HART</th>
<th>Modbus RTU</th>
<th>Power Source</th>
<th>Alarm Options</th>
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<tbody>
<tr>
<td>FlexVu® UD10</td>
<td>-55 to +75°C</td>
<td>▲ ▲ ▲ ▲</td>
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<td>66/67</td>
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<tr>
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<td>66/67</td>
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</table>

NEW PRODUCT
FlexVu® UD30 Universal Display with easy-to-read screen

*New product: Universal Displays are flexible, robust, and cost-effective. The UD30 Universal Display is ready to integrate with any existing system.
Eagle Quantum Premier® (EQP) Safety System

- Configurable certified gas and flame safety system with automatic releasing for pre-action and deluge
- Meets industry codes, hazardous location and third-party performance standards for gas and flame
- Certified SIL 2 capable and for marine applications
- Fault-tolerant communication loop with redundant controller capability
- Multiple communication protocols, with simple connection to HMIs
- Available pre-configured gas panel with 16 inputs for combustible and/or toxic gas detection

Total Engineered Solutions
Det-Tronics develops your solution each step of the way. With over 45 years of systems design expertise, our dedicated project support personnel provide engineering services from the first conversation to future maintenance and support. Det-Tronics works with you from start to finish of your project and beyond.

<table>
<thead>
<tr>
<th>Model</th>
<th>Detected Gases</th>
<th>Operating Temp. Range</th>
<th>Combustible Gas</th>
<th>TOXIC Gas</th>
<th>ACUSTIC LEAK</th>
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</thead>
<tbody>
<tr>
<td>PointWatch Eclipse®</td>
<td>Hydrocarbons (not hydrogen)</td>
<td>-55 to +75°C</td>
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<tr>
<td>GT3000®</td>
<td>H₂S, CO, CO₂, N₂, O₂, Cl₂, SO₂, H₂, NO₂</td>
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<tr>
<td>FlexSonic®</td>
<td>Any gas</td>
<td>-55 to +75°C</td>
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<td>FlexVu® Universal Display</td>
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<td>FlexVu® Universal Display</td>
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</table>
The Global Leader in Fire and Gas Safety Systems

QUALITY // PROTECTION // SOLUTION // FLEXIBLE // FUNCTIONAL // RELIABLE // EXPERIENCED // ENGINEERED // ADVANCED

Det-Tronics offices
Representative offices

FlexSonic® Acoustic Leak Detector
X3301 Multispectrum IR Flame Detector
PointWatch Eclipse® IR Combustible Gas Detector
FlexVu® UD10 Universal Display with GT3000 Toxic Gas Detector
Eagle Quantum Premier® Safety System

92-1066-1.8

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Det-Tronics is certified to ISO 9001:2015 in all manufacturing processes.