

Combustible and Toxic Gas Detection Solutions

Performance and Safety
Beyond Compliance



Reliable Solutions from Det-Tronics, Your Partner in Safety



Our proven hazardous gas detection systems deliver the highest level of protection for people, processes and property—even under the most extreme conditions.

- ▲ Rock-solid, performance-tested detectors for a wide variety of gas hazards—all with global approvals
- ▲ Durable, integrated solutions for protection of people and critical industrial applications
- ▲ We partner with customers to design, manufacture, test and deliver complete, approved safety systems

Trusted Response with the Utmost Confidence



Det-Tronics leads the industry with performance-tested hazardous gas detection solutions that perform optimally with minimal maintenance.

- ▲ Certified SIL 2 Capable solutions to streamline safety system design and provide maximum reliability
- ▲ Performance tested in third-party labs to validate response and accuracy
- ▲ Extra global approvals to ensure optimal safety and protection

Multiple Layers of Detection

LINE-OF-SIGHT GAS DETECTION

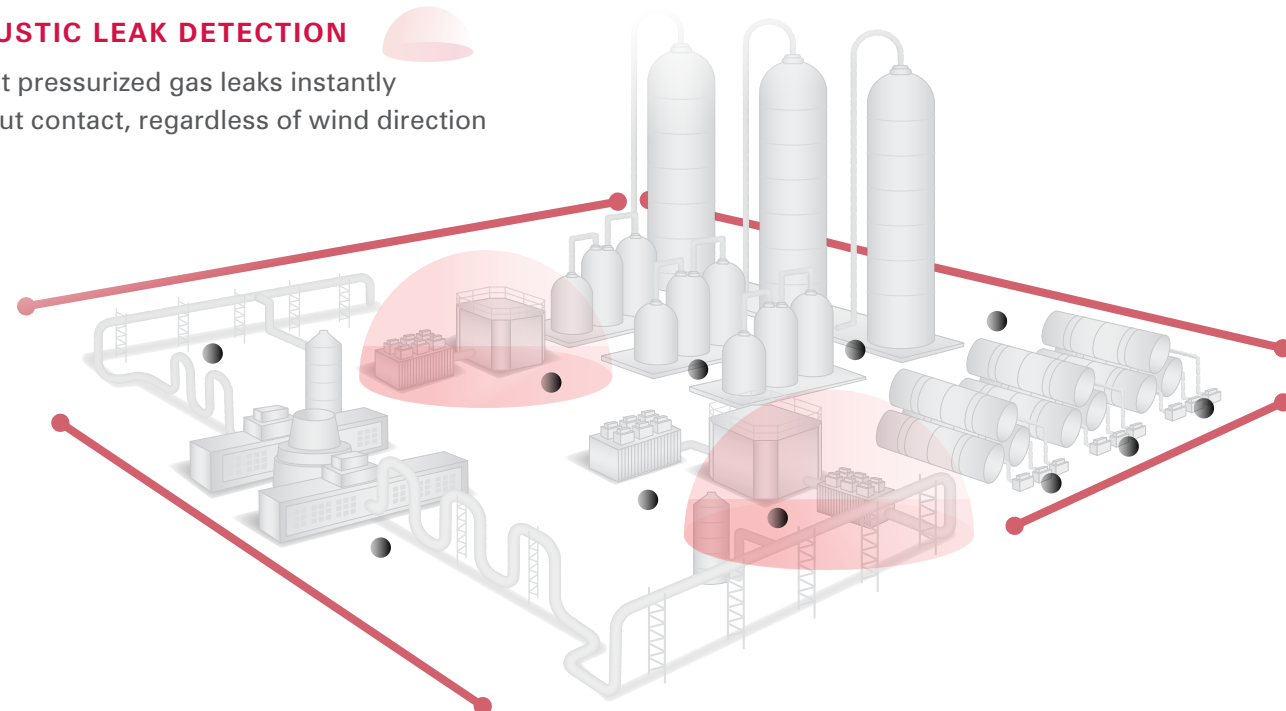
Detect combustible gas between two points up to 120 meters apart with infrared technology

POINT GAS DETECTION

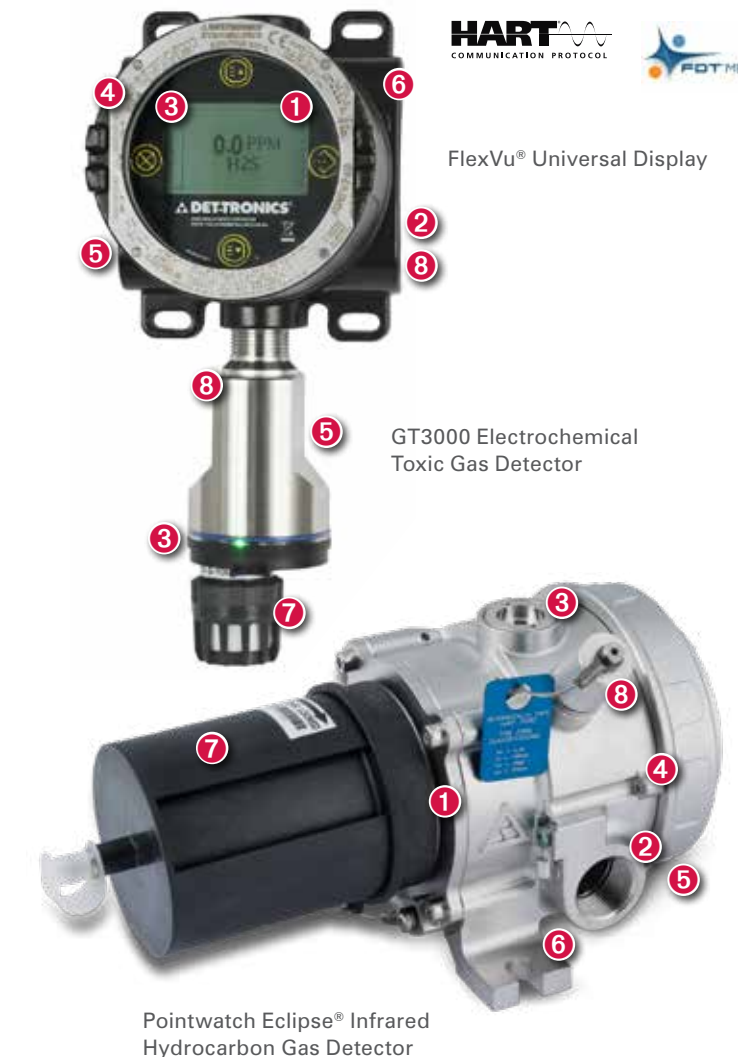
Detect toxic or combustible gases using electrochemical, catalytic, infrared or NTMOS technology

ACOUSTIC LEAK DETECTION

Detect pressurized gas leaks instantly without contact, regardless of wind direction



- 1 Heated to improve operation in cold or damp environments
- 2 Junction box designed to reduce installation cost
- 3 Local display to provide confidence that you are being protected
- 4 Special versions available that support easy integration with the Eagle Quantum Premier® Safety System (EQP)
- 5 Certified SIL 2 Capable to integrate into high availability safety systems
- 6 Approved to install without conduit seals to reduce installation cost
- 7 Rugged-weather baffles for best-in-class protection
- 8 HART communication for comprehensive diagnostic information



Pointwatch Eclipse® Infrared Hydrocarbon Gas Detector

Combustible Gas Detection

Toxic Gas Detection



POINTWATCH ECLIPSE® INFRARED HYDROCARBON GAS DETECTOR

- ▲ Top selling gas detector
- ▲ Certified to detect methane, propane, ethylene and butane
- ▲ Proven infrared technology to detect and communicate gas leaks
- ▲ Rugged IP66/67 construction and extended interval testing reduces maintenance
- ▲ Faster response option available
- ▲ 5-year device warranty



GT3000 ELECTROCHEMICAL TOXIC GAS DETECTOR

- ▲ Detects hydrogen sulfide, hydrogen, oxygen, carbon monoxide, nitrogen dioxide, ammonia, chlorine and sulfur dioxide
- ▲ Certified SIL 2 Capable oxygen and hydrogen sulfide sensors
- ▲ Simple, one-person calibration



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 SIL2 capable when used with FlexVu® UD10 universal display



COMBUSTIBLE AND TOXIC GAS DETECTION

FLEXSONIC® ACOUSTIC LEAK DETECTOR

- ▲ Detects instantly; no contact with gas required
- ▲ Sensitivity unaffected by wind direction or leak location
- ▲ Performs automatic integrity checks
- ▲ Works out of the box
- ▲ **exida safety award winner**



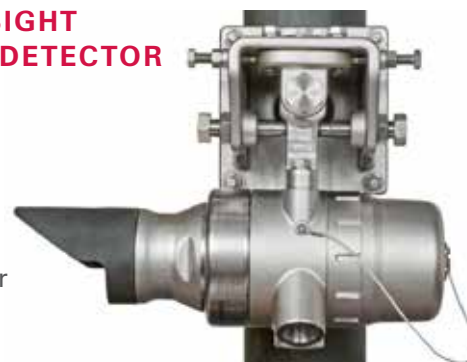
FLEXVU® UNIVERSAL DISPLAY

- ▲ Supports Det-Tronics combustible and toxic gas sensors and other 4-20 mA devices
- ▲ Backlit and heated LCD display
- ▲ Non-intrusive calibration, logging and diagnostics



FLEXSIGHT™ LS2000 LINE-OF-SIGHT INFRARED HYDROCARBON GAS DETECTOR

- ▲ Easy to install and align
- ▲ Significantly improved alignment tolerance
- ▲ Third-party certified
- ▲ Ten-year IR source warranty; 5-year device warranty
- ▲ **exida safety award winner**



POINTWATCH ECLIPSE® INFRARED CARBON DIOXIDE GAS DETECTOR

- ▲ Quickly detects hazardous levels of carbon dioxide
- ▲ Tri-color LED provides local status indication and improves maintenance
- ▲ Proven performance
- ▲ 5-year device warranty

Benefit from Unparalleled Control

Select from Proven Products to Meet Your Safety Needs



FLEXVU® UNIVERSAL DISPLAY

- ▲ Reduces parts inventory and manpower; lowers risk
- ▲ Non-intrusive, one-person calibration
- ▲ Approved to trigger life-safety horns and alarms
- ▲ Loop-powered options for easy integration



EAGLE QUANTUM PREMIER® (EQP) SAFETY SYSTEM

- ▲ Combines gas and flame detection and extinguishing flame release in a single integrated solution
- ▲ Certified SIL 2 Capable
- ▲ NFPA 72 compliant
- ▲ Redundant, fault-tolerant loop reduces installation costs



GP16 GAS PANEL

- ▲ Pre-configured EQP system with 16 detection inputs for combustible or toxic gas types
- ▲ Flexible communication options of 4/20mA and/or LON
- ▲ User friendly HMI touch screen and sounder on panel



ACCESSORIES

- ▲ Including duct mounts, junction boxes, calibration kits and more
- ▲ Single source and application specific with highest-quality products and support

				A	B	C	D	E	F	G	H	I	J	K
	Model	Detected Gases	Operating Temp. Range	PERFORMANCE CERTIFIED	EVENT HISTORIAN	CERTIFIED SIL 2 CAPABLE	HEATED SENSOR OR DISPLAY	IP RATING	ANALOG 4-20 mA	HART DIGITAL	RELAYS	EQP/LON	DIGITAL MODBUS RTU	LOOP POWERED
COMBUSTIBLE GAS	PointWatch Eclipse®	Hydrocarbons (not hydrogen)	-55 to +75C	▲	▲	▲	▲	66/67	▲	▲	▲	▲	▲	
	CGS Catalytic Bead Sensor	Wide range of combustible gases (including hydrogen)	-55 to +125C	▲	●	▲	●		●	●	●	●	●	
	FlexSight™ LS2000 Line-of-Sight	Hydrocarbons (not hydrogen)	-55 to +75C	▲	▲	▲	▲	66/67	▲	▲	▲	▲	▲	
TOXIC GAS	GT3000	H ₂ S, CO, O ₂ , NH ₃ , Cl ₂ , SO ₂ , H ₂ , NO ₂	-40 to +55C	▲	▲	▲		66/67	▲	▲	●	●	●	▲
	Eclipse CO ₂	CO ₂	-40 to +75C		▲		▲	66/67	▲	▲	▲	●	▲	
ACOUSTIC LEAK	FlexSonic®	Any gas	-55 to +75C	▲	▲	▲		66	▲	▲	●	●	●	
UNIVERSAL DISPLAYS	FlexVu® UD10	-	-55 to +75C	▲	▲	▲	▲	66/67	▲	▲	▲	▲	▲	
	FlexVu® UD20	-	-20 to +70C	▲	▲	▲		66/67	▲	▲				▲

● Additional capabilities when integrated with the FlexVu UD10 Universal Display

- A Performance Certified:** Outside laboratories independently validate Det-Tronics accuracy across the temperature range.
- B Event Historian:** Most sensors maintain calibration logs and usage history. When combined with UD10, additional diagnostic information is maintained like alarm events and faults like failed calibration or loss of power.
- C Certified SIL 2 Capable:** Det-Tronics uses exida to verify and certify the reliability of combustible gas and toxic gas detectors and displays.
- D Heated Sensors or Displays:** A sensor covered with condensation, rain or snow cannot detect hazards. Det-Tronics detectors are heated to operate in extreme conditions.
- E IP Rating:** Verifies that dust and water will not affect the products' operation, third-party testing and ratings are provided on all products.
- F Analog 4-20mA:** The device outputs to the most common communication method for safety systems. This method requires home run wiring topography to the controller.
- G HART Digital:** The device allows for the use of the HART handheld maintenance tool. In addition, the GT3000, UD10 and Eclipse are FDT/DTM and AMS compatible.
- H Relays:** The device has multiple relay outputs to drive local horns and alarms without the need to connect to a controller.
- I EQP/LON:** The device is compatible with Det-Tronics Eagle Quantum Premier (EQP) Safety System. The EQP uses an addressable loop, which allows customers to use multidrop wiring techniques to reduce installation costs.
- J Digital Modbus RTU:** Device outputs to an addressable loop, which allows customers to use multidrop wiring techniques to reduce installation costs.
- K Loop Powered:** A device that uses two wires for both power and signal.

The Global Leader in Fire and Gas Safety Systems

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



FlexSonic® Acoustic Leak Detector



X3301 Multispectrum IR Flame Detector



PointWatch Eclipse® IR Combustible Gas Detector



FlexVu® Universal Display with GT3000 Toxic Gas Detector



Eagle Quantum Premier® Safety System

92-1066-1.6

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Det-Tronics is certified to ISO 9001:2008 in all manufacturing processes.

