



**UNITED
SAFETY**
& SURVIVABILITY
CORPORATION™

FIREBOY® - XINTEX®



XINTEX® GAS DETECTION SYSTEMS

CNG, LNG and LPG



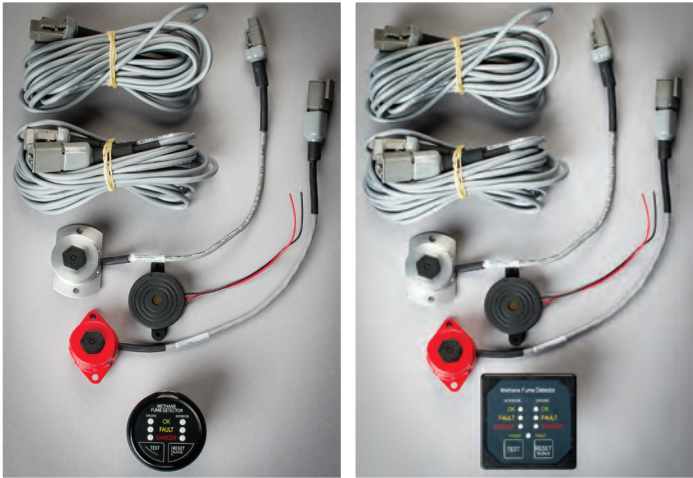
Gas Detection Systems for CNG, LNG and LPG leak detection in vehicles and other applications. Detect leaks early to prevent personal injury or property damage and save fuel.

MULTIPLE SENSOR GAS DETECTION SYSTEMS

The Xintex Multiple Sensor Gas Detection Systems are engineered for all vehicles operating on Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG) or Propane (LPG). Each system:

- ▶ Incorporates two or three sensors and a monitor / display.
- ▶ Provides early warning of dangerous gas levels in the engine compartment and driver areas, i.e. cab and / or sleeper.
- ▶ Includes visual and audible alarms at 20% and 50% of the L.E.L.
- ▶ Includes an auxiliary output relay.
- ▶ Features "Test" and "Reset" membrane switches.
- ▶ Is easily installed with cables and Deutsch connectors – no complicated wiring.
- ▶ Features low power consumption – 30 mA per sensor.
- ▶ Is ideal for all vehicles and fleets.
- ▶ Meets requirements NFPA 52.

Typical Two Sensor Systems



- Mount one sensor under the hood on the firewall.
- Mount one sensor in the cab.
- If a sleeper cab is included, add an additional sensor in the sleeper and use the "X3" three sensor display.

1 Select a Two or Three Sensor LED Display *(Includes remote alarm horn)*



S2BR-M-ECU-X
12/24 VDC
2 in. (56 mm) Dia.
Black Round Bezel
Two Sensors



S2CR-M-ECU-X
12/24 VDC
2 in. (56 mm) Dia.
Chrome Round Bezel
Two Sensors

2 Select the Sensor



MS-7 / MS-9 (Status LED)
Anodized Aluminum Sensor
Current Draw @ 12 VDC: 30 mA
Operating Temperature:
-40°F to 221°F (-40°C to 105°C)



MS-8 / MS-10 (Status LED)
PC/ABS Thermoplastic Sensor
Current Draw @ 12 VDC: 30 mA
Operating Temperature:
-40°F to 185°F (-40°C to 85°C)

3 Select the MS-3 cables

5 ft. (1.5 m) increments up to 50 ft. (15 m) and 10 ft. (3 m) increments up to 100 ft. (30 m), with Deutsch Connectors.

MS-3 Cable 5'	5 ft. MS-3 Extension Cable	1.5 m
MS-3 Cable 10'	10 ft. MS-3 Extension Cable	3 m
MS-3 Cable 15'	15 ft. MS-3 Extension Cable	4.5 m
MS-3 Cable 20'	20 ft. MS-3 Extension Cable	6 m
MS-3 Cable 25'	25 ft. MS-3 Extension Cable	7.5 m
MS-3 Cable 30'	30 ft. MS-3 Extension Cable	9 m
MS-3 Cable 35'	35 ft. MS-3 Extension Cable	10.5 m
MS-3 Cable 40'	40 ft. MS-3 Extension Cable	12 m
MS-3 Cable 45'	45 ft. MS-3 Extension Cable	13.5 m
MS-3 Cable 50'	50 ft. MS-3 Extension Cable	15 m



S2B-M-X2-Display
12/24 VDC
2-5/8 in. (76 mm) Square
Black Square Bezel
Two Sensors



S2B-M-X3-Display
12/24 VDC
2-5/8 in. (76 mm) Square
Black Square Bezel
Three Sensors – Sensor Identified by "Internal" LED sequence

SINGLE SENSOR GAS DETECTION SYSTEMS

The **Xintex** Single Sensor Gas Detection Systems are engineered for all vehicles operating on Natural Gas (LNG or CNG) or Propane (LPG).

- ▶ The compact, integrated design incorporates the sensor and monitor in a single unit.
- ▶ Provides early warning of dangerous gas levels in the cab.
- ▶ Visual alarm at 20% and audible alarm at 50% of the L.E.L.
- ▶ Ideal for all CNG / LNG conversions and fleet vehicles.
- ▶ Yellow "Fault" LED indicates any system issues.
- ▶ In-line audible horn.
- ▶ "Test and Reset" membrane touch button.
- ▶ Fast, simple installation.
- ▶ Low power consumption.



S2B-CNG-X

12/24 VDC
2-5/8 in. (76 mm) Square
Current Draw @ 12 VDC: 40 mA
One Integral Sensor



S2B-LPG-X

12/24 VDC
2-5/8 in. (76 mm) Square
Current Draw @ 12 VDC: 40 mA
One Integral Sensor

GAS DETECTOR TEST KITS

MTK Methane Gas Detector Test Kits include two cylinders of certified methane gas (20% or 25% and 50%), sensor adapters, regulator, pressure gauge and rugged plastic storage case.

Available kits:

MTK-20-50 20% and 50% kit
MTK-25-50 25% and 50% kit

Replacement cylinders:

MTK-CYL-20 20% L.E.L. cylinder
MTK-CYL-25 25% L.E.L. cylinder
MTK-CYL-50 50% L.E.L. cylinder



*The state of California mandates that all methane sensors be tested at least three times annually at equal intervals.
See Title XIII, California Code of Regulations, (13 CCR) Section 935 (b)(2).*

CUSTOM SYSTEMS AVAILABLE

- ▶ **Multi-sensor systems**
- ▶ **Remote panels**
- ▶ **Splitters for extra sensors**
- ▶ **Custom graphics**
- ▶ **Off-road design for increased durability**



Remote
< panels

Splitter for extra
sensors >



fireboy-xintex.com

SAFETY IS OUR BUSINESS!



GLOBAL SERVICES

Fireboy-Xintex Inc. founded in Grand Rapids, Michigan, USA in 1973, was followed by the opening of Fireboy-Xintex Ltd. in Poole, Dorset, UK in 2006. Since its founding and expansion Fireboy-Xintex continues to be a leader in the innovation of safety products for Recreational, Commercial, Marine, Transportation, and Industrial Markets.

The USA and UK facilities encompass our manufacturing, engineering, market research, sales, and customer service departments and are ISO 9001 Certified QMS Companies. To guarantee our customers the most reliable and safe products, each is thoroughly tested and inspected prior to shipment.

The quality manufactured into each of our products means selecting Fireboy-Xintex is selecting peace of mind for your business.



Grand Rapids, Michigan, USA



Poole, Dorset, UK



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Fireboy-Xintex
is ISO 9001
Certified QMS

Due to our ongoing process of continuing improvement, specifications and features may change without notice.

The **Xintex** Gas Detection Systems meet the NFPA 52, SAE J2343 and California Title XIII requirements and are tested to other heavy-duty truck standards. Manufactured in Grand Rapids, Michigan USA.

PRODUCTS:

Gaseous Suppression



Inert Gas (IG-01, IG-55, IG-100, IG-541)
Novec 1230™ Fluid (FK-5-1-12)
FM-200® / NAF S 227 (HFC-227ea.)
Ecaro 125® / NAF S 125 (HFC-125)
Carbon Dioxide (CO₂)
Hybrid Systems (N₂ / Water)
Pressure Relief Vents
Enclosure Integrity Testing Equipment
Pipe & Fittings

Water Suppression



Water Mist - High Pressure
Water Mist - Intermediate Pressure
Water Mist - Low Pressure
Hybrid Systems (Water / N₂)
Monitors & Delivery Systems
High Speed Deluge

Foam Suppression



Foam Concentrates
Foam Proportioning
Foam Delivery Systems
Foam Concentrate Testing

Explosion Protection



Explosion Suppression
Explosion Isolation
Explosion Vents & Pressure Relief
Spark Suppression
Explosibility Testing

Fire Detection



Linear Heat Detection - Digital
Linear Heat Detection - Fibre Optic
Linear Heat Detection - Micro Chip
Flame Detection
Video Imaging Detection
Spark Detection
Control & Indicating Equipment
Thermal Imaging Detection
Aspirating Smoke Detection

Military & Defence



Military Vehicles
Naval Vessels

Special Applications



Micro Environment
Oxygen Reduction
Kitchen Protection Systems
Dry Chemical
Vehicle Systems
Compressed Air Foam
Marine & Offshore Vapour
Mitigation
Lithium-Ion Fire Systems

Support Services



Design / Engineering
Technical Support
Services & Testing

Australia

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‘Every solution for your special hazard problems’