



FX-1500 Single Channel Toxic Gas Detector

The Foxcroft FX-1500 series of toxic gas leak detectors are perfect for monitoring a gas container storage, generation, or use area. The remote display unit can be located in a control room or safe area, outside or away from, the potential gas leak. Warning and Danger alarm levels are set to specific points for the gas being monitored. A third low level alarm (typically 0.5 PPM for most gases), is incorporated into the unit to alert personnel of slow leaks before they become a major problem. A fourth "cell failure" alarm level indicates if there is a problem with the sensor electronics, or wiring to the sensor.

All alarm levels are available for connection to external equipment via configurable relay contact outputs. External equipment can be anything that is activated by a dry relay contact, such as; alarm beacons, horns, auto-dialers, fans, or emergency shutoff valves.

An optional 4-20 milliamp retransmission output is available for connection to SCADA systems, or chart recorders. Special alarm levels and ranges are available on written request.

An optional battery backup/surge protector is also available for applications where AC power is unreliable, or must be maintained in the event of a power failure

PRODUCT FEATURES

- Remote electronics/ display
- Sensor can be located as far as 2000 feet from the display unit
- 3 Alarm Levels: Caution, Warning and Danger
- Configurable auxiliary output relays
- L.E.D. display of gas concentration in part per million
- 100 dB piezo alarm buzzer
- Relay outputs for all alarm and sensor failure levels
- Local alarm indication and test button at the sensor
- Several types of toxic gas sensors available
- Optional 4-20 milliamp retransmission output is available



**FX-1500
Single Channel
Toxic Gas Detector**

SPECIFICATIONS

GENERAL

Sensor Type:	3 electrode, electrochemical fuel cell type
Response Time:	Less than 8 seconds to full alarm
Accuracy:	0.1 PPM (@20 degree C)
Resolution:	0.1 PPM
Drift:	Less than 2% per month
Temperature:	-20°C to +50°C (-4°F to 122°F)
Humidity:	15 to 90% (non-condensing)
Sensor Expected Life:	2 years, Oxygen 2 years

GAS TYPES

Ammonia Nitric Dioxide
Carbon Monoxide, Nitrogen Dioxide
Chlorine Oxygen
Chlorine Dioxide Ozone
Hydrogen Sulphur Dioxide
Hydrogen Chloride
Hydrogen Cyanide
Hydrogen Sulphide

ELECTRICAL

Power Requirements:	120/ 220 Volts, AC, 50/60 Hz, 200 milliamp;
Relays:	Danger - 2 SPDT, contact rating 10 amps @ 125 Volts AC Auxiliary Relay 1 - 1 SPDT, contact rating 10 amps @ 125 Volts AC Auxiliary Relay 2 - 1 SPDT, contact rating 10 amps @ 125 Volts AC Cell Failure - 1 SPST, contact rating 1 amp @ 125 Volts AC
4-20 milliamp Output (Optional):	one - 4-20 milliamp output @ 300 ohms maximum

MECHANICAL

Instrument Mounting:	Wall Mount
Electronic & Sensor Enclosure	NEMA 4X
Remote Display Dimensions	Display 7" high x 7" wide x 5" deep (approx. w/ mounting ears)
Sensor	4" high x 4" wide x 2.5" deep (on 7" x 7" x 1/4" mounting plate)
WARRANTY	Electronics 1 year, toxic gas sensor 1 year.

Design and specifications subject to change without notice.



PO Box 39
2101 Creek Road
Glen Moore, PA 19343
(610) 942-2888
(800) 874-0590
fax: (610) 942-2769
www.foxcroft.com

Distributed By: