



# FX-1500 Single Channel Toxic Gas Leak Detector



## FEATURES

## DESCRIPTIONS

- 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
- 105 dB Piezo alarm horn
- 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 available

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 in 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, 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 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.

# FX-1500 Single Channel Toxic Gas Leak Detector

## SPECIFICATIONS

### GENERAL

<b>Sensor Type:</b>	3 electrode, electrochemical fuel cell type
<b>Response Time:</b>	Less than 8 seconds to full alarm
<b>Accuracy:</b>	0.1 PPM (@20 degree C)
<b>Resolution:</b>	0.1 PPM
<b>Drift:</b>	Less than 2% per month
<b>Temperature:</b>	+5 to +104 degree F (-15 to +40 degree C)
<b>Humidity:</b>	15 to 90% (non-condensing)
<b>Sensor Expected Life:</b>	10 years, Oxygen 2 years

### GAS TYPES

<b>Ammonia</b>	<b>Nitric Dioxide</b>
<b>Carbon Monoxide</b>	<b>Nitric Oxide</b>
<b>Chlorine</b>	<b>Oxygen</b>
<b>Chlorine Dioxide</b>	<b>Ozone</b>
<b>Hydrogen</b>	<b>Sulphur Dioxide</b>
<b>Hydrogen Chloride</b>	
<b>Hydrogen Cyanide</b>	
<b>Hydrogen Sulphide</b>	

### ELECTRICAL

<b>Power Requirements:</b>	120/ 220 Volts, AC, 50/60 Hz, 200 milliamp;
<b>Relays:</b>	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
<b>4-20 milliamp Output (Optional):</b>	one - 4-20 milliamp output @ 300 ohms maximum

### MECHANICAL

<b>Instrument Mounting:</b>	Wall Mount
<b>Electronic &amp; Sensor Enclosure</b>	NEMA 4X
<b>Overall Dimensions</b>	Display 7" high x 7" wide x 5" deep (approx. w/ mounting ears) Sensor 5" high x 5" wide x 3" deep (approx. w/ mounting plate)

### WARRANTY

Remote Unit 2 years from date of factory shipment, see individual gas sensor data sheet for sensor warranty.  
Design and specifications subject to change without notice.



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