



## **FX-1502 Dual Channel Toxic Gas Detector**

The Foxcroft FX-1502 series of toxic gas leak detectors are perfect for monitoring two different gases or two gas container storage, generation or use areas, simultaneously. 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 "cell failure" alarm level indicates if there is a problem with the sensor electronics, or wiring to the sensor. Alarm levels are indicated by L.E.D. on the display, and 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 4-20mA 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**

- **2 channel remote electronics/ display unit.**
- **Sensor can be located as far as 2000 feet from the display unit.**
- **2 Alarm levels each channel: Warning and Danger.**
- **Individual L.E.D. Display of gas concentration in PartsPer Million.**
- **100 dB piezo alarm buzzer.**
- **Danger relays and assignable auxiliary relays.**
- **Local alarm indication and test button at the sensor.**
- **Optional 4-20mA retransmission output is available.**
  
- **Gas Type Available:** Ammonia, Carbon Monoxide, Chlorine, Chlorine Dioxide, Hydrogen, Hydrogen Chloride, Hydrogen Cyanide, Hydrogen Sulphide, Nitrogen Dioxide, Nitric Oxide, Oxygen, Ozone, Sulphur Dioxide



**FX-1502  
Dual Channel Toxic  
Gas Detector**

**SPECIFICATIONS**

**GENERAL**

Sensor Input:	Two
Sensor Distance:	25 feet standard cable length, 2000 feet maximum each channel
Measuring Principle:	3 electrode, electrochemical fuel cell
Response Time:	Less than 8 seconds to full alarm
Drift:	Less than 2% per month
Temperature Range:	-20°C to +50°C (-4°F to 122°F)
Humidity Range:	15 - 90 % (non-condensing)
Accuracy:	0.1 PPM (@20 degree C)
Resolution:	0.1 PPM
Dimensions, remote :	7" high x 7" wide x 5" deep (approx. w/ mounting ears)
Dimensions, Sensor:	4" high x 4" wide x 2.5" deep (on 7" x 7" x 1/4" mounting plate)
Sensor Expected Life:	2 years, Oxygen 2 years
Power Supply:	110/ 220 VAC, 50/60 Hz
4-20 mA Output (optional):	two - 4-20mA output @ 300 ohms maximum
Auxiliary Relay (Danger Alarm):	SPDT 10A @ 125 (latching) each channel
Configurable Relays:	Secondary relay provided - SPST 10A @ 125VAC Configuration - Warning Alarm, Danger Alarm, Danger Alarm nonlatching for each channel.
Instrument Mounting:	Wall mount
Electronic & Sensor Enclosure:	NEMA 4X
Warranty:	Electronics 1 year, toxic gas sensor 1 year



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