



F6401 Single Channel



F6402 Dual Channel

6400 Series

The Series F6400 Gas Detector warns users of hazardous atmosphere. When incorporated with an emergency shutdown system, the Series F6400 Gas Detector can turn off the supply of hazardous gas if a leak is detected. The Series F6400 Gas Detector is a simple to use, all-in-one package. It comes complete with sensors and receiver/ alarm modules, pre-calibrated and ready to plug in.

An Auto-Test option is available. The Auto-Test eliminates the weekly requirement that a technician expose each sensor to a small amount of gas related chemical to confirm sensor function.

Features

- **Two adjustable alarms per sensor:** WARNING (amber flashing light and intermittent horn) ALARM (red light and steady horn). Because each sensor has its own receive/alarm module, the location and concentration of leak are easy to determine.
- **Low Maintenance:** There is no need to schedule tests for sensor input to the receiver: if input is lost, a trouble light will flash and an associated relay will activate. If the Auto-Test option is chosen, this sensor's detecting capability is tested daily, with no effort by user. The trouble light and relay will activate if the sensor does not respond to the automated gas test.
- **Quick Detection:** Response time is typically better than 90% in less than fifteen (15) seconds.
- **Easy Installation:** To meet the needs of users world wide, the power supply will accept any AC or DC input from 85 to 270 volts without adjustment. Designed for good noise resistance, sensors can be placed up to 1000 feet (304.8 meters) from the receiver/alarm module. (25 ft. (7.62 meters) cable is standard.)

(continued)

Gas Detectors (continued)

6400 Series

- **Sensors have excellent zero stability,** high sensitivity and selectivity.
- **Battery Backup option:** rechargeable sealed lead acid battery is housed in a NEMA 4X enclosure. Charging is provided by the detectors power supply module.
- **4-20 mA signal output** for each sensor channel

(continued)

Dimensions:

	W	x	D	x	H
Single Channel:	7.16" (18.2 cm)		4.33" (11.0 cm)		7.09" (18.0 cm)
Double Channel:	10.0" (25.4 cm)		4.33" (11.0 cm)		7.09" (18.0 cm)
Sensor Transmitter:	3.11" (7.9 cm)		2.24" (5.69cm)		3.7" (9.4 cm)

Series Number	Description
6401-__	Gas Detector: Single (1) Point
6402-__	Gas Detector: Two (2) Point
6403-__	Gas Detector: Three (3) Point
6404-__	Gas Detector: Four (4) Point

To order: Replace the blanks with the appropriate 2-digit code from the chart on the following page.
Note: To order the Auto-Test feature, add the suffix "T" to the gas designation.
Call us for additional information.

Gas Detectors (continued)

When Ordering Specify:

Series

Gas Code

Number of Points

With or without "Auto-Test"

Gas Code	Gases	Standard Range	Minimum Range	Maximum Range
15	Ammonia*	0-100 ppm	0-50 ppm	0-500 ppm
28	Arsine	0-1000 ppb	0-1000 ppb	0-10 ppm
10	Bromine*	0-2 ppm	0-1 ppm	0-10 ppm
16	Carbon Monoxide	0-100 ppm	0-50 ppm	0-500 ppm
11	Chlorine*	0-10 ppm	0-1 ppm	0-50 ppm
12	Chlorine Dioxide*	0-2 ppm	0-1 ppm	0-10 ppm
29	Diborane	0-1000 ppb	0-1000 ppm	0-10 ppm
13	Fluorine*	0-2 ppm	0-1 ppm	0-10 ppm
30	Germane	0-1000 ppb	0-1000 ppb	0-10 ppm
18	Hydrogen	0-4%	0-2000 ppm	0-10%
21	Hydrogen Chloride*	0-20 ppm	0-10 ppm	0-100 ppm
22	Hydrogen Cyanide*	0-20 ppm	0-10 ppm	0-100 ppm
23	Hydrogen Fluoride*	0-10 ppm	0-10 ppm	0-100 ppm
31	Hydrogen Selenide*	0-1000 ppb	0-1000 ppb	0-10 ppm
24	Hydrogen Sulfide*	0-50 ppm	0-10 ppm	0-100 ppm
25	Nitric Oxide	0-100 ppm	0-50 ppm	0-500 ppm
26	Nitrogen Dioxide	0-20 ppm	0-5 ppm	0-100 ppm
19	Oxygen	0-25%	0-10%	0-100 %
14	Ozone*	0-2 ppm	0-1 ppm	0-10 ppm
20	Phosgene	0-2 ppm	0-2 ppm	0-10 ppm
32	Phosphine	0-1000 ppb	0-1000 ppb	0-10 ppm
33	Silane	0-20 ppm	0-1000 ppb	0-100 ppm
27	Sulfur Dioxide*	0-20 ppm	0-10 ppm	0-100 pp

Gas Detectors 37.0