

WINGMAN F1

SINGLE-GAS AMMONIA PERSONNEL PROTECTOR



Key Features

- Handheld single gas detector Ammonia, 0-500 ppm
- Small, light and easy to wear
- 4 buttons for easier menu navigation
- Water-resistant design in an integral concussion-proof enclosure
- Real-time readings on LCD
- 1-2 year battery life
- Internal vibrating alarm for high noise areas
- LED visual alarm
- Piezo audio alarm buzzer
- LED front lighting activated by alarm condition or key press
- Four alarm levels: instantaneous Low Alarm, High Alarm, TWA, and STEL
- Accurately monitor OSHA/NIOSH/ACGIH exposure limits

Personnel protection for Ammonia gas.

The Wingman F1 personnel protector utilizes proven electrochemical sensor technology to provide accurate real time readings of ammonia gas concentrations. Facility personnel will find this a useful tool for monitoring ammonia levels independent of the facility's fixed gas detection system.

The Wingman has everything you expect, with a reliable life span, four-button operation and small, lightweight profile. The Wingman provides audio/visual and vibrating alarms at customizable low and high alarm set-points, as well as TWA and STEL alarms.

The Wingman is designed to handle the harsh environments of the food industry and many other applications. The water resistant housing and gas-permeable sensor membrane offer great performance in areas that are wet, hot, or cold.

Applications

- Anywhere ammonia gas may be present

Accessories Included

- Long Life Battery
- Cal Gas Adapter & Hose
- Alligator Belt Clip
- Concussion-proof housing



CTI GAS DETECTION
SPECIALISTS

The **Wingman F1** has a large LCD offering real-time concentrations of toxic gases.

Audible, visual, and vibrator alarms activate in the event of a low, high, TWA, or STEL alarm condition. Other standard features include full function self-test, automatic backlight, event log, field-selectable calibration gas concentrations, and peak reading.

The event log stores up to 100 of the last events with a time and date stamp. When full, wraparound memory replaces oldest data with most recent.

From the home screen, the Up arrow provides a quick view of the Peak (max) concentration encountered along with TWA and STEL values since power up.

Ordering Information

The **Wingman F1** is calibrated before it ships and is delivered ready for use with an electrochemical sensor, long life battery, stainless steel alligator belt clip, quick-start instructions, and calibration adapter and tubing.

Order #: F1-NH3 (Ammonia)



SPECIFICATIONS

Due to ongoing research and product improvement, specifications are subject to change

Sensor:

Electrochemical (field replaceable).

Gas: NH3 **Range:** 0-500 ppm **Resolution:** 1 ppm

Sampling Method:

Diffusion.

Tests:

Sensor integrity, circuitry, audible/visual alarms on activation, and battery (continuous).

Alarm Indicators:

Clearly advises alarm conditions with audible, visual, and internal vibrator alarms.

Visual alarms: Two flashing red LEDs visible from all angles. LCD indicates gas present and alarm levels encountered.

Audible alarm: Piezo audible alarm.

Vibrator alarm: Pulses warning in gas alarm conditions.

Status alarms: Low battery, calibration due.

Alarm Levels:

Instantaneous Low Alarm; Instantaneous High Alarm; TWA (8-hour time-weighted average), and STEL (15-minute short-term exposure limit).

Alarm setpoints:

Customizable and displayed in menu.

Calibration Schedule:

6-month intervals.

Calibration Due Date:

Days remaining until next calibration displayed.

Enclosure:

Polycarbonate with thermoplastic elastomer (TPE). Stainless steel hardware. For non-classified areas.

Display:

LCD, HR TFT, 2.7" monochrome. LED front lighting activated by alarm condition or key press.

Gas concentration:

Continuously displays gas concentration.

Event Logging:

Date and time stamp for calibration, alarms (low, high, TWA, and STEL), and setting changes. Peak value held until cleared.

Battery:

Field replaceable 3.6V lithium battery with 1-2 years battery life.

Humidity:

0 - 95% RH (non-condensing).

Temperature:

-4°F to +122°F (-20°C to +50°C) continuous.

-40°F to +122°F (-40°C to +50°C) short-term.

Dimensions:

2.7 x 2.6 x 1.6 in.

Weight:

4.0 oz.

Warranty:

2 years for the unit.

2 years for the sensor element.