

SOLO

SINGLE GAS
PERSONNEL PROTECTOR

Key Features

- Handheld single gas detector for CL2, CO, H2, H2S, NH3, NO2, or O2
- Small, light and easy to wear
- Water-resistant design in an integral concussion-proof enclosure
- Real-time readings on large LCD
- 1 year battery life
- Internal vibrating alarm for high noise areas
- Large, bright visual LED alarm ring
- Auto backlight activates in low light & when in alarm
- Four alarm levels: instantaneous Low Alarm, High Alarm, TWA, and STEL
- Accurately monitor OSHA/NIOSH/ACGIH exposure limits

Personnel protection for a many toxic gas applications.

The Solo personnel protectors utilize proven electrochemical sensor technology to provide accurate real time readings of toxic gas concentrations. Facility personnel will find this a useful tool for monitoring toxic levels independent of the facility's fixed gas detection system.

The Solo has everything you expect, plus additional features to make your compliance easier and more cost-effective than ever. All with a reliable life span, one-button operation and small, lightweight profile. The Solo provides audio/visual alarms at customizable low and high alarm set-points, as well as TWA and STEL alarms.

The Solo is a single gas detector and each gas has a different range of detection. The ranges are as follows:

Chlorine (CL2): 0-50 ppm
Carbon Monoxide (CO): 0-2,000 ppm
Hydrogen (H2): 0-1,000 ppm
Hydrogen Sulfide (H2S): 0-200 ppm
Ammonia (NH3): 0-1,000 ppm
Nitrogen Dioxide (NO2): 0-100 ppm
Oxygen (O2): 0-30% Volume

Applications

- Anywhere toxic gases may be present

The IntelliDoX automatically tests the gas detector and sensors while transferring data to the docking station. The Enabler Kit has all of the power and tubing hardware needed. These two products are necessary for auto-calibration and transfer of the data from the Solo. Call for more information.

Accessories Included

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



IntelliDox



Enabler Kit

The **Solo** 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, stealth mode, confidence beep, backlight options, STEL / TWA measurement choice, user-settable calibration gas concentrations, calibration due lockout, and multi-language support.

Solo detectors come standard with a datalogging feature and include a built-in IR COM port for automatic data transfer to a computer through the optional Intellidock (sold separately). Note: An Intellidock and Enabler Kit are needed for data transfer from the **Solo**.

Up to 8 months of continuous data is automatically stored at 5 second intervals (based on a normal work week). Sampling rate can be adjusted in the user options. When full, wraparound memory feature replaces oldest data with most recent data.

Ordering Information

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

Order #: [BW-SOLO-CL2](#) (Chlorine)
[BW-SOLO-CO](#) (Carbon Monoxide)
[BW-SOLO-H2](#) (Hydrogen)
[BW-SOLO-H2S](#) (Hydrogen Sulfide)

[BW-SOLO-NH3](#) (Ammonia)
[BW-SOLO-NO2](#) (Nitrogen Dioxide)
[BW-SOLO-O2](#) (Oxygen)
[BW-SOLO-CO-H](#) (CO, H₂ resistant)
[BW-ID-SOLO](#) (Intellidock)
[BW-ID-ENABL](#) (Intellidock Enabler Kit)



SPECIFICATIONS

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

Battery:

Field replaceable 3v Lithium battery with 1 year battery life

Sensors:

Electrochemical

Gas: Range: Resolution:

Gas:	Range:	Resolution:
CL2	0-50 ppm	0.1 ppm
CO	0-2,000 ppm	0.5 ppm
CO-H	0-2,000 ppm	0.5 ppm
H2	0-1,000 ppm	2 ppm
H2S	0-200 ppm	0.1 ppm
NH3	0-1,000 ppm	1 ppm
NO2	0-100 ppm	0.1 ppm
O2	02: 0-30% (vol)	0.1% (vol)

Tests:

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

Datalogger:

All readings and events. 5-second interval sampling, adjustable from 1 second to 60 seconds

User field options:

Confidence beep, latching alarms, stealth mode, passcode protection, automatic O₂ calibration, automatic backlight, user-settable calibration gas level, calibration past due locked, and 11 language choices

Alarm Indicators:

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

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

Audible alarm: Typically 95 dB at 1 ft. / 30 cm variable pulsed audible alarm

Vibrator alarm: Pulses warning in gas alarm conditions, or for any status alarms

Status alarms: Low battery, calibration due

Alarm Levels:

Instantaneous Low Alarm; Instantaneous High Alarm; TWA (time-weighted average), and STEL (short-term exposure limit)

Alarm setpoints:

Customizable and displayed on activation

Calibration Schedule:

6-month intervals

Calibration Due Date:

Days remaining until next calibration displayed

Enclosure:

IP66 rugged, composite material. Highly water resistant and dust proof, with built-in concussion-proof boot

LCD:

Continuous, alphanumeric gas readout and status display advises

Humidity:

0 - 95% RH (non-condensing)

Temperature:

-40°F to +140°F (-40°C to +60°C)

Dimensions:

2.7 x 2.6 x 1.6 in

Weight:

4.1 oz

Gas concentration:

Continuously displays gas concentration

Warranty:

3 years for H₂S, CO, O₂ (detectors and sensor elements)

2 years for CL2, CO-H, H₂, NH₃, NO₂ (detectors and sensor elements)

Note: 1 year for Cl₂, NH₃ sensor elements