**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

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**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

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**Applications**

- Anywhere toxic gases may be present

**Accessories Included**

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

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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.
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
**Battery:**  
Field replaceable 3v Lithium battery with 1 year battery life

**Sensors:**  
Electrochemical

**Gas:**  
<table>
<thead>
<tr>
<th>Gas</th>
<th>Range</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL2</td>
<td>0-50 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>CO</td>
<td>0-2,000 ppm</td>
<td>0.5 ppm</td>
</tr>
<tr>
<td>CO-H</td>
<td>0-2,000 ppm</td>
<td>0.5 ppm</td>
</tr>
<tr>
<td>H2</td>
<td>0-1,000 ppm</td>
<td>2 ppm</td>
</tr>
<tr>
<td>H2S</td>
<td>0-200 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>NH3</td>
<td>0-1,000 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td>NO2</td>
<td>0-100 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>O2</td>
<td>O2: 0-30% (vol)</td>
<td>0.1% (vol)</td>
</tr>
</tbody>
</table>

**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°F)

**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

**Note:**  
1 year for Cl2, NH3 sensor elements

**Rev 20191023**