

## How to Use the SBS-H2 Alarm System Test Kit



SBS provides a test kit for use with the SBS-H2 Hydrogen Sensor and Alarm systems.

The Test Kit includes:

1. 1% and 2% H<sub>2</sub> in air calibrated gas canisters
2. Gas canister fitting for gas delivery
3. Tubing to safely deliver the gas to the sensor head



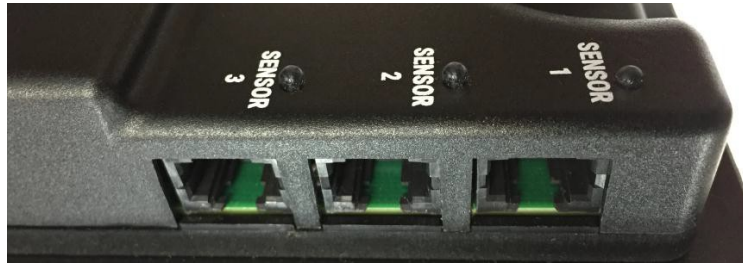
All of the above items are provided in a convenient carrying case for easy storage!



**Calibrated gases can  
be used for multiple  
tests of your devices!**

## Testing the SBS-H2 Hydrogen Alarm System:

The Alarm System is calibrated prior to shipment with set points to 2% H<sub>2</sub> for each channel's Alarm threshold and 1% H<sub>2</sub> for each 'Warning' threshold. It is recommended that the alarm system be checked every 12 – 18 months.



## Testing the Warning and Alarm Thresholds on the Alarm Box:

1. Connect the calibration fixture to the 1% H<sub>2</sub> air gas cylinder.
2. Secure the test fixture to the sensor module connected to 'Sensor 1' by pressing the flexible tubing completely over the inlet to the sensor head (see picture on right).
3. Fully open the gas valve and apply gas for one full minute or until the 1% 'warning' light activates.
4. Turn off gas and remove from sensor.

### TEST THE WARNING STATE:

Repeat Steps 1-4 above using the 2% H<sub>2</sub> air gas cylinder to activate the 'Alarm' mode for 'Sensor 1'. The 'Alarm' threshold is connected to the red LED, the audible alarm, and the strobe light which will activate during testing.

Repeat steps for every sensor installed.

**WARNING:** *The SBS-H2 Hydrogen Alarm System is not a stand alone safety device and does not provide protection from hydrogen explosions. The relay contacts are intended to be connected to a safety system, enabling audible alarms, system shutdown, ventilation, or other measures to ensure safe handling and use of hydrogen gas.*





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