H_2S GUARDIAN GAS DETECTOR

Bump Test Procedure:

Graphic Controls recommends bump testing the device before each day's use in safety critical applications.

What is a Bump Test?
Bump testing refers to a functional test of the device to verify calibration. This is accomplished by exposing the device to a known concentration of test gas.

Please note that a Bump Test does not Calibrate the device. Calibration is recommended every 180 days to ensure the device will accurately respond to H_2S gas. Gas detection devices can diverge from factory settings over time for a variety of reasons, including: gradual chemical degradation of sensors, chronic exposure to extreme environmental conditions, exposure to over-range concentrations, etc.

⚠WARNING! DO NOT SERVICE DEVICE IN A HAZARDOUS ENVIRONMENT⚠

To Bump Test the detector, follow these steps:

1. Hold  button for 1 second to turn device on.

2. Use 1/4" OD, 1/8" ID Tygon tubing attached to the calibration gas cylinder and sensor inlet to flow calibration gas at 0.5L/min.
    - Graphic Controls recommends the use of 15 ppm calibration gas cylinders. Only use certified, traceable gas cylinders before expiration date.

3. When the low alarm level of 10 ppm is reached the LCD will display 10 ppm and visual, audible, vibration alarms will activate. When the high level alarm point of 15 ppm is reached the alarm signals will intensify. Bump test is complete.

4. If Bump Test fails please follow Calibration procedure.

5. Remove flow of calibration gas to device and use as normal.

See Diagram on page two for illustration and explanation of detector controls, functions, and displays.

Please contact Graphic Controls with any questions about this procedure or to learn more about our factory calibration service program at 1-800-669-1535 or www.graphiccontrols.com.

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GUARDIAN EXTERNAL PARTS/FEATURES:

Lanyard Loop (with Clip on back):
Use this to attach to shirt or other location

Sensor Inlet:
Where the gas is measured, (keep it clean & do not puncture the membrane)

LED Indicators (4 around LCD):
These red lights will flash when H_2S concentration is high enough for an alarm

LCD Display:
Shows H_2S concentration from 0-400 ppm (other details in lower figure)

Buzzer/Speaker:
Makes beeping noises when an alarm is active, (do not puncture the membrane)

Power/MUTE Button:
Press & hold to turn power ON or OFF
Press to mute the buzzer for up to 5 mins

MAX Button:
Press to make the LCD remain at the maximum H_2S concentration measured