

Quick Guide

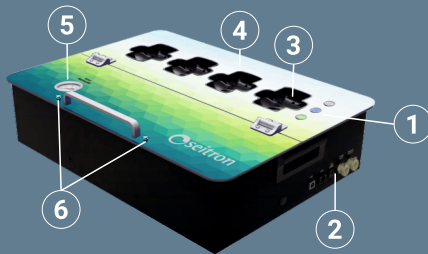
You can download the «be safe SG Docking Station Manager» PC software and the complete user manual from our web site www.seitron.com



WARNING!

- Read the be safe SG Docking Station manual and follow all the instructions in order to grant a correct use and a safe installation. Do not use be safe SG Docking Station if it looks damaged. Inspect the instrument prior to every use.
- Do not operate be safe SG Docking Station in a dangerous environment. be safe SG Docking Station must be connected to a ventilation system or used in a well ventilated area.
- Do not expose be safe SG Docking Station to electrical discharge or mechanical shock before, during or after use.
- Prevent liquids from entering the Docking Station or the gas flow path.
- Make sure that be safe SG Docking Station is operated with certified calibration gas.
- Do not use expired calibration gas.
- Do not attempt to disassemble, adjust or repair be safe SG Docking Station unless instructions for such procedure are explicitly written on this manual.
- Do not charge the battery at temperatures above or below the specified range of 0 °C to 40 °C.

Overall description



1. Light buttons:

POWER: Turn on/off the docking station. The button is featured with a multicolor LED, which provides the following information:
 Steady green: Normal operation
 Flashing green: Low battery charge level
 Steady orange: Firmware update
 Flashing red: USB memory not found

BUMP TEST: Starts the bump test for gas detectors inserted in the bays. The button is featured with a blue LED.

CALIBRATION: Starts calibration for gas detectors inserted in the bays.

The button is featured with a green LED.

2. EXHAUST OUTLET: 1/8" fitting. Gas outlet used for Bump Test / Calibration.

PURGE INLET: 1/8" fitting. Clean air inlet used in Bump Test / Calibration.

12V: Power supply connector.

LAN: Ethernet connector (RJ45) with 2 LEDs. LEDs shows the status Connected and Switched on.

USB: USB 2.0 type B input.

3. Test bays for gas detectors be safe SG. The connection of be safe SG gas detectors is detected via IrDA communication.

4. STATUS LEDs: 3-color LED for each bay, shows the status of Bump test or calibration:

ORANGE: Bump Test or Calibration in progress

GREEN: Bump test or Calibration succeeded

RED: Bump test or Calibration failed

5. GAS PRESSURE: Pressure gauge for checking residual gas pressure. Max 1,500 psi

6. Screws for gas bottle compartment access.

Setup and installation

1. Loosen the gas bottle compartment cover screws and open the lid.
2. Insert the certified gas bottle into the compartment and screw clockwise until it is fully inserted.
3. Secure the gas bottle with the rubber ring.
4. The Docking Station is now ready to perform the Bump Test, Calibration and Data Logging.

The default gas concentrations are listed below:

Models	Detected gas	Gas concentration	<u>IMPORTANT</u> Use only the specified concentrations of gas
be safe SG H2S	H2S	25 ppm	
be safe SG CO	CO	100 ppm	
be safe SG O2	O2	18% Vol.	
be safe SG SO2	SO2	10 ppm	

Power on / Power off

Press the "POWER" button to turn on the docking station; if powered on, the power button will light up according to the equipment status.

be safe SG Docking Station will operate normally when the "POWER" button lights up green with steady light; if it does not light up or the "POWER" button flashes green, connect the supplied external power supply (12 V_{DC} 1.5 A), to the 12 V connector.

be safe SG Docking Station will automatically turn off if it is inactive for a long time; if the docking station has been configured with automatic power off disabled, to turn off the equipment press and hold for more than 5 seconds the "POWER" button.

If the "POWER" button lights orange with a steady light, wait for the firmware update to complete.

Performing Bump Test and/or Calibration

1. Firmly place 1 to 4 be safe SG detectors face down in the bays.
2. Depending on the button pressed, be safe SG Docking Station either starts Bump Test execution or starts Calibration:
 - 2a "Bump Test" button (blue color): Starts the Bump Test.
 - 2b Calibration button (green color): Starts the Calibration.
3. The execution of the Bump Test will take 10 ... 30 seconds, while the Calibration takes about 90 seconds.
4. The Bump Test or Calibration currently running are indicated by the lighting of the LEDs, located above the bays, orange in color with a steady light.
5. When finished, the bays LEDs will indicate the positive (green) or negative (red) test result.

Note: The gas is propagated simultaneously only to the bays where a detector is present.

The be safe SG Docking Station can perform approximately 130 bump tests using a 58 l gas bottle (based on 4 x be safe SG inserted).

Troubleshooting the detector test

Check the built-in pressure gauge to make sure the gas in the gas bottle is enough (the 34 l and 58 l are full at 500 psi).

Check the gas inlet of the be safe SG. Clean obstructions and replace clogged or dirty filters.

Clean the IR communication window of the be safe SG with a non-alcoholic cleaner.

Bright light sources may interfere with the IR communication ports of the be safe SG Docking Station; if necessary try to put it somewhere else. If a detector still does not work after completing the above steps, contact Seitron.

Contacts

Seitron S.p.A. a socio unico
Via del Commercio, 9/11 - 36065 Mussolente (VI)
Tel. +39.0424.567842 - www.seitron.com - Email: info@seitron.it

For Northern and Southern America contact:

SEITRON AMERICAS inc.
140 Terry Drive, Suite 101 - Newtown, PA 18940 - USA
Tel: (215) 660-9777 - Fax: (215) 660-9770
service@seitronamericas.com - www.seitronamericas.com



customer.care@seitron.it



+39 329 1444390