

MSA Altair 4X Multigas Detector Bump Test Procedure

⚠ WARNING

Perform a Bump Test before each day's use to verify proper instrument operation. Failure to perform this test can result in serious personal injury or death.

This test quickly confirms that the gas sensors are functioning. Perform a full calibration periodically to ensure accuracy and immediately if the instrument fails the Bump Test. The Bump Test can be performed using the procedure below or automatically using the Galaxy Test Stand.

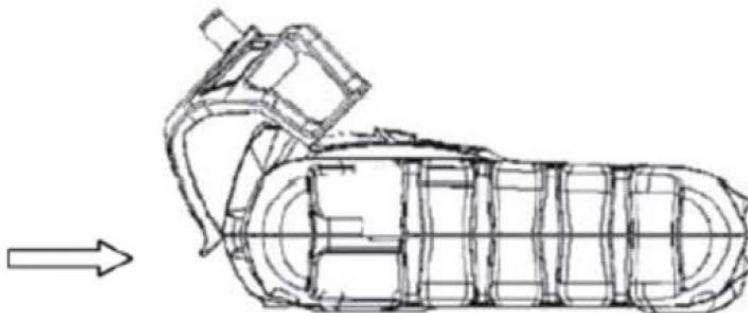
Step 1

From the normal measure screen, press the ▼ button to display "BUMP TEST?".

Step 2

Attach the calibration cap to the instrument.

- Insert tab on calibration cap into slot on instrument.
- Press calibration cap as shown until it seats onto instrument.



- Press both side tabs down onto instrument until they snap in.



- Ensure that the calibration cap is properly seated.
- Connect one end of the tubing to the calibration cap.
- Connect other end of tubing to the cylinder regulator (supplied in the calibration kit).

Step 3

Press the ϕ button to start the bump test then open the valve on the regulator. The hourglass will flash and the sensors will respond to the gas.



After the BUMP TEST completes, the instrument momentarily displays “BUMP PASS” or “BUMP ERROR” along with the label of any sensor that failed before returning to Measure mode. If the instrument fails the BUMP TEST, contact Environmental Health and Safety immediately (372-2171) and take instrument out of service. The instrument cannot be used until Environmental Health and Safety has the instrument fixed and deems it is safe for use.



- The \checkmark symbol will be displayed in the Measure mode for 24 hours after a successful Bump Test.