

Gas Detector Bump and Calibration Log



Detector Model/Name:

Calibration Gas Values:

Gas Detector SN:

Notes: _____

Calibration Gas Expiry Date: _____

Calibration Gas Lot # _____

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Instructions:

Gas detectors should be bump tested daily and calibrated monthly. To bump test your monitor:

1. Turn monitor on and wait a few minutes for sensors to warm
2. During startup process, attach regulator to cylinder by first opening the valve on the regulator by turning the knob counter clockwise (ignore this for demand flow regulators) and then screwing the bottom of the regulator into the valve on the top of the cylinder. Once you begin hearing gas escaping, close the regulator valve by turning the knob clockwise until it stops turning (don't overturn the knob). Continue screwing the regulator into the cylinder until the regulator will no longer turn.
3. Connect tubing to regulator and connect that tubing to your calibration adapter (if using a pumped monitor, ignore this step and just make sure your tubing is ready to connect to your monitor when it is time to bump test).
4. Once your monitor reaches normal reading mode, connect the cylinder to your monitor using the tubing and turn the gas on. Wait 15 seconds and check to make sure your audible alarms are loudly sounding, the LEDs and other flashing lights are going off, and your vibrating alarm is engaged. Check each sensor on your monitor to be sure it is responding correctly and quickly moving towards the values on your gas cylinder.
5. Turn your gas off. Check the cylinder pressure to be sure it is above 100PSI on the regulator. If it is below 100PSI, you should order another cylinder of gas as you have very limited pressure remaining. Gas cylinders stop delivering gas flow properly below 50 PSI.
6. Record the answers and values in the table below. Make sure to note whether this is a Bump test or full Calibration. If you are doing a full calibration, refer to your instrument manual for instructions on how to properly calibrate your monitor or call us and we'll help.

If anything goes wrong or you need help, contact us by email support@idealcalibrations.com or by phone **734-956-0539**