

CO-150 Carbon Monoxide Detector Bump Testing and periodic validation.

Recommended Test Gas & Equipment

- 250ppm CO (Carbon Monoxide) in Air
- 0.5L/min Fixed Flow Regulator
- Silicon Hose with rubber fitting attached to the end
- Rubber fitting with small vent



Preparing the Test Gas

- Turn the fixed flow regulator to the “ON” position

Note: This is VERY IMPORTANT so the Test Gas is not diluted!!!

- Screw the Regulator onto the Test Gas Cylinder (Regulator should have test hose & fitting already attached)
- As soon as Regulator is fitted to Test Gas Cylinder check that Test Gas is flowing out from the end of the Hose then turn regulator to the “OFF” position
- Confirm Gas Pressure is registering on the Regulator Gauge, i.e. Cylinder is not empty
- Ready for Bump Testing



Important: CO being a toxic gas...

Please follow all precautions for Safe Handling & other Safety Measures as per Material Safety Datasheet

Bump Testing CO Detector

- Turn Detector on and allow 1 Minute to stabilize
- Check the Detector is showing “SAFE” with no audible alarms
- Fit rubber fitting with small vent into the bottom Vent/Sensing hole
- Hold Test Gas Hose rubber fitting over the top Vent/Sensing hole
- Turn Test Gas Regulator “ON”
- Allow up to approx 1minute for the gas to purge though the housing or until alarm triggers – whichever event is first
- The Alarm should then trigger giving both Audible & Visual Indications
(May require second person to check Visual alarms depending on the installation)
- Turn Test Gas Regulator “OFF” and remove test equipment
- Bump Test Complete
- Unscrew Regulator from Test Gas Cylinder once all Bump Tests are completed.



Troubleshooting

- If Detector did not trigger alarm, check Pressure Gauge on Test Gas & that you have correct test gas/level
- Check Detector is still powered up (if no alarm active the “SAFE” LED will be illuminated)
- Attempt purging gas for 2 minutes rather than 1 minute
- If above checks are ok & Detector still did not trigger an alarm the unit may be returned to Peel Electronics for testing and a factory Calibration

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