

# NFPA® 350 requires a bump test before each day's use

The G450 ecoBump kit from GfG Instrumentation makes it easy and convenient!

**NFPA® 350, “Guide to Safe Confined Space Entry and Work” makes it absolutely clear: Gas monitors used for atmospheric monitoring of confined spaces should be bump tested by the Gas Tester prior to each day’s use.**

Atmospheric hazards are a leading cause of accidents and injuries during confined space entry and rescue. NFPA® 350 includes procedures for atmospheric monitoring, as well as requirements for maintaining, calibrating and testing the direct reading atmospheric monitors used to test the air.

Section 7.10.1 specifies that, “Gas monitors used for atmospheric monitoring of confined spaces should be bump tested by the Gas Tester prior to each day’s use. A bump test is a brief exposure of the gas monitor / sensors to specified target gas(es) to verify sensor and alarm functionality.”

The G450 ecoBump kit makes this requirement easy and convenient. The kit includes a dependable G450 four gas, direct reading gas monitor for the detection of O<sub>2</sub>, combustible gas (% LEL), CO and H<sub>2</sub>S. The G450 is powered by means of interchangeable alkaline or rechargeable battery packs that provide up to 24 hours of continuous operation per charge or per set of disposable batteries.

The foam lined, water-proof carrying case includes a push-button regulator and a compact cylinder that holds enough test gas for up to 250 (or more!) daily bump tests. Simply turn the instrument on, attach the adapter, and push the regulator button for 2 seconds, and verify that the alarms are activated.

Both alkaline and rechargeable G450 instruments are available as ecoBump kits. The rechargeable G450 ecoBump kit additionally includes a rechargeable battery pack, charging cradle and 110-240 VAC power adapter.



*G450 confined space gas monitor sensors for O<sub>2</sub>, LEL, CO and H<sub>2</sub>S are warranted for 3 full years from the date of purchase.*



*The alkaline G450 ecoBump kit includes everything you need for storing, protecting and testing your four gas confined space monitor.*



USA and Canada  
Latin America  
Germany  
South Africa  
Asia Pacific  
Europe  
Switzerland

info@gfg-inc.com  
info@gfg-inc.com  
info@gfg-mbh.com  
gfgsa@icon.co.za  
info@gasdetection.asia  
info@gfgeurope.com  
info@gfg.ch

smart  
GasDetection  
Technologies 

GfG Instrumentation, Inc.

1194 Oak Valley Drive, Suite 20, Ann Arbor, MI 48108 USA  
Phone: (734) 769-0573 • Toll Free (USA / Canada): (800) 959-0329  
Website: www.goodforgas.com • info@gfg-inc.com

## What does OSHA say?

According to OSHA Safety and Health Information Bulletin (SHIB 09-30-2013), "Calibrating and Testing Direct-Reading Portable Gas Monitors,"

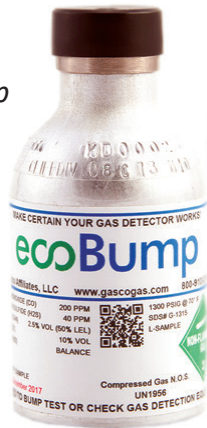
*"A bump test . . . or calibration check of portable gas monitors should be conducted before each day's use in accordance with the manufacturer's instructions."*

*"If an instrument fails a bump test or a calibration check, the operator should perform a full calibration on it before using it. If the instrument fails the full calibration, the employer should remove it from service. Contact the manufacturer for assistance or service."*

OSHA could not be more clear:

## Test your instrument before each day's use!

*Each compact, affordable ecoBump cylinder contains enough gas for 250 daily bump tests.*



*Complete rechargeable G450 ecoBump kit with instrument, charging cradle, regulator, test gas and foam lined carrying case.*

## G450 ecoBump Kits and Accessories

Part Number	Product
G450-11410E	G450 ecoBump kit with alkaline G450 with O <sub>2</sub> , LEL, CO and H <sub>2</sub> S sensors, standard accessories, push-button regulator, cylinder of test gas and foam lined carrying case.
G450-11420E	G450 ecoBump kit with rechargeable G450 with O <sub>2</sub> , LEL, CO and H <sub>2</sub> S sensors, charging cradle, wall 110 - 240 VAC wall power adapter, cylinder of test gas and foam lined carrying case.
1450-EXT6	Extended 6 year sensor warranty for all 4 G450 sensors (O <sub>2</sub> /LEL/CO/H <sub>2</sub> S)
1450-921	G400 Motorized Smart pump with alkaline battery pack, with sample probe, filters and 10' sample tubing.
1450266	Protective leatherette holster with carry strap for G450 instrument.
7801-030	Replacement cylinder of ecoBump test gas with 200 ppm CO, 40 ppm H <sub>2</sub> S, 2.5% methane and 10% O <sub>2</sub> . (ecoBump test gas for bump testing only, not for span calibration adjustment).



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gfgsa@icon.co.za  
info@gasdetection.asia  
info@gfgeurope.com  
info@gfg.ch

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