



## Calibration Gases and Accessories

A certified target calibration gas is the only safe and approved way to test your toxic gas detector.

These cost effective cylinders are filled with certified precision gas mixtures for calibration and response check "bump testing" of gas leak detectors or research instrumentation.

Gas detector calibration is not the place to try to save money. Why?

### Among many reasons:

- "Home made" chlorine gas is uncontrollable; the unknown concentration produced may be at lethal levels.
- The concentration of process gas from an existing 150 lb cylinder is lethal to both personnel and equipment.
- High levels of chlorine may overload a sensor, preventing it from alarming in an emergency.
- Unknown concentrations such as from solid forms of chlorine cannot calibrate a detector to its existing factory set operating range and alarm trip points.

- The potential liability of disregarding safety guidelines and using unapproved calibration procedures.
- The cost of an overloaded gas sensor or damage to other equipment exceeds the cost of calibration gas.

Our Standard Calibration Gases below are available in a variety of concentrations and are traceable to NIST standards by weight.

Target Gas	Available Concentration Range	Balance	Warranty
Ammonia NH <sub>3</sub>	10-500 ppm (Standard 50 ppm)	Air or Nitrogen	12 mo.
Carbon Monoxide CO	50 ppm – 5% Volume (Standard 300 ppm)	Air or Nitrogen	24 mo.
Chlorine CL <sub>2</sub>	2-1000 ppm (Standard 5 or 10 ppm)	Nitrogen	12 mo.
(2 ppm 6 mo.)			
Hydrogen H <sub>2</sub>	10 ppm – 2% Volume (Standard 200 ppm)	Air or Nitrogen	24 mo.
Hydrogen Chloride HCl	3-1000 ppm (Standard 10 ppm)	Nitrogen	8 mo.
Hydrogen Cyanide HCN	5-20 ppm (Standard 10 ppm)	Nitrogen	12 mo.
Hydrogen Sulphide H <sub>2</sub> S	5 ppm – 1% Volume (Standard 10 ppm)	Air or Nitrogen	12 mo.
Nitric Oxide NO	5-900 ppm (Standard 50 ppm)	Nitrogen	6 mo.
Nitrogen Dioxide NO <sub>2</sub>	3-200 ppm (Standard 10 ppm)	Air or Nitrogen	8 mo.
Oxygen O <sub>2</sub>	0.4% - 100% Volume (Standard 19%)	Nitrogen	24 mo.
Sulphur Dioxide SO <sub>2</sub>	2-100 ppm (Standard 10 ppm)	Air or Nitrogen	12 mo.
Zero Gas	20.9% Oxygen/Nitrogen	N/A	24 mo.

Other gases are available upon request. Cylinder sizes available are 15, 34, 58, and 103 liter

All cylinders are non-refillable and have a 5/8" - 18 UNF (C10) valve inlet and DOT 39 NRC approval.

## Calibration Gases



### CALIBRATION ACCESSORIES

- 15 Liter Chlorine calibration kit, part no. CALKIT15LCL2. Includes:
  - (1) # FX-CAL-CL2-15 15Liter cylinder Chlorine calibration gas, 10 ppm (or specify concentration).
  - FX-70-SS Regulator, stainless steel, 1.0 liter per min. fixed flow rate, with 3 feet of tubing.
  - Calibration cap with O-ring for gas sensor.
  - Plastic carrying case holds two 15 or 34 liter cylinders of calibration gas.
  - Calibration manual
- 34 Liter Chlorine calibration kit, part no. CALKIT34LCL2. Includes (1) 34 liter cylinder of gas and the items above.
- FX-70-SS Regulator stainless steel regulator, 1.0 liter per minute fixed flow rate, with 3 feet of tubing. For reactive gases including chlorine, hydrogen chloride, ammonia. Fits 15L, 34L, 58L, 103L cylinders.
- FX-70-1 Regulator Nickel plated brass regulator for non-reactive gases, 1.0 liter per minute fixed flow rate, with 3 feet of tubing. Fits 15L, 34L, 58L, 103L cylinders.



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