

# CALIBRATION KIT



## Key Features

- All 34L and 29L parts are compatible
- One year shelf life for most certified gases
- Large stock of most popular concentrations
- Custom mixes available
- Replacement regulators and cylinders available
- Pressure gauge on all regulators
- Sensor calibration manuals included
- Custom flow rate regulators available

Calibration kit and calibration gas bottles for use with most makes and models of gas detectors.

Calibration Technologies gas sensor calibration kits and replacement cylinders allow for field calibration of most fixed and portable gas detectors. The disposable certified gas cylinders are N.I.S.T. traceable. After initial purchase, replacement cylinders can be ordered at any time.

Standard cylinder sizes include either 17 or 34 liters. The 17L cal kit will include a regulator (female fitting) for use with the CGA600 outlet fitting (male fitting) of the 17L cylinder. The 34L cal kit will include a regulator (male fitting) for use with the C-10 outlet fitting (female fitting) of the 34L cylinder.

Each regulator is preset for 0.8 liters per minute with an easy on/off valve and includes a cylinder pressure gauge. The Calibration Kit also includes 3' of Norprene tubing and flexible calibration cups designed to fit all GG sensors, and most standard size gas cells and sensors. All kit accessories are enclosed in a durable hard carrying case with foam inserts.

## Applications

- Periodic sensor calibration requirements
- Regulatory and insurance requirements
- OSHA PSM compliance
- Safety system verification

## Accessories Included

- Hard carrying case (holds two cylinders)
- Norprene tubing and calibration cups
- 0.8 LPM regulator with pressure gauge
- Calibration manual for CTI sensors
- Case holds (2) calibration gas bottles

## Ordering Information

### Part number Cal Kit 17L

### 17L Calibration Kit

**Description**  
Calibration Kit with regulator for 17 liter bottles, calibration cups for all CTI sensors, and rugged carrying case that holds two bottles (gas not included)

### 17L Calibration Gas Bottles

Many other gases and ranges available. Contact CTI for availability.

Part number	Description
RB17L-NH3/25	25 ppm ammonia
RB17L-NH3/50	50 ppm ammonia
RB17L-NH3/100	100 ppm ammonia
RB17L-NH3/250	250 ppm ammonia
RB17L-NH3/500	500 ppm ammonia
RB17L-NH3/1000	1000 ppm ammonia
RB17L-NH3/1%	1.0% ppm ammonia
RB17L-NH3/2%	2.0% ppm ammonia
RB17L-ZA	Zero air (20.9% O <sub>2</sub> )
RB17L-CO <sub>2</sub> /500	500 ppm carbon dioxide
RB17L-CO <sub>2</sub> /1%	1.0% carbon dioxide
RB17L-CO <sub>2</sub> /3%	3.0% carbon dioxide
RB17L-CO <sub>2</sub> /5%	5.0% carbon dioxide
RB17L-O <sub>2</sub> /15%	15% oxygen
RB17L-N <sub>2</sub>	100% nitrogen
RB17L-CO/200	200 ppm carbon monoxide
RB17L-CH <sub>4</sub> /1.0%	1.0% methane
RB17L-CH <sub>4</sub> /2.5%	2.5% methane
RB17L-H <sub>2</sub> /2000	2000 ppm hydrogen
RB17L-H <sub>2</sub> /1%	1.0% hydrogen (25% LEL)
RB17L-R <sub>22</sub> /500	500 ppm R22
RB17L-R <sub>22</sub> /1000	1000 ppm R22
RB17L-R <sub>22</sub> /3000	3000 ppm R22
RB17L-R134a/500	500 ppm R134a
RB17L-R134a/1000	1000 ppm R134a
RB17L-R134a/3000	3000 ppm R134a
RB17L-R404a/500	500 ppm R404a
RB17L-R404a/1000	1000 ppm R404a
RB17L-R404a/3000	3000 ppm R404a
RB17L-R507a/500	500 ppm R507a
RB17L-R507a/1000	1000 ppm R507a
RB17L-R507a/3000	3000 ppm R507a
RB17L-ISOB/100	100 ppm Isobutylene



17 liter regulator



**CTI CALIBRATION TECHNOLOGIES**  
GAS DETECTION SPECIALISTS

2515 Tule Winds Parkway, Columbia, MO 65201    800-828-2222

Product Identifier: Calibration gas mixture, NH<sub>3</sub>  
Part Number: RB17L-NH3/100  
Mixture: 101 ppm NH<sub>3</sub>, balance air  
Lot Number: 7-296-122  
Manufacture Date: January 2018  
Expiration Date: January 2019  
Contents: 17L @70 deg F, 240 PSIG

### Part number Cal Kit 34L

### 34L Calibration Kit

**Description**  
Calibration Kit with regulator for 34 liter bottles, calibration cups for all CTI sensors, and rugged carrying case that holds two bottles (gas not included)

### 34L Calibration Gas Bottles

Many other gases and ranges available. Contact CTI for availability.

Part number	Description
RB34L-NH3/25	25 ppm ammonia
RB34L-NH3/50	50 ppm ammonia
RB34L-NH3/100	100 ppm ammonia
RB34L-NH3/250	250 ppm ammonia
RB34L-NH3/500	500 ppm ammonia
RB34L-NH3/1000	1000 ppm ammonia
RB34L-NH3/1%	1.0% ppm ammonia
RB34L-NH3/2%	2.0% ppm ammonia
RB34L-ZA	Zero air (20.9% O <sub>2</sub> )
RB34L-CO <sub>2</sub> /500	500 ppm carbon dioxide
RB34L-CO <sub>2</sub> /1%	1.0% carbon dioxide
RB34L-CO <sub>2</sub> /3%	3.0% carbon dioxide
RB34L-CO <sub>2</sub> /5%	5.0% carbon dioxide
RB34L-O <sub>2</sub> /15%	15% oxygen
RB34L-N <sub>2</sub>	100% nitrogen
RB34L-CO/200	200 ppm carbon monoxide
RB34L-CH <sub>4</sub> /1.0%	1.0% methane
RB34L-CH <sub>4</sub> /50%	2.5% methane
RB34L-H <sub>2</sub> /2000	2000 ppm hydrogen
RB34L-H <sub>2</sub> /1%	1.0% hydrogen (25% LEL)
RB34L-R <sub>22</sub> /500	500 ppm R22
RB34L-R <sub>22</sub> /1000	1000 ppm R22
RB34L-R <sub>22</sub> /3000	3000 ppm R22
RB34L-R134a/500	500 ppm R134a
RB34L-R134a/1000	1000 ppm R134a
RB34L-R134a/3000	3000 ppm R134a
RB34L-R404a/500	500 ppm R404a
RB34L-R404a/1000	1000 ppm R404a
RB34L-R404a/3000	3000 ppm R404a
RB34L-R507a/500	500 ppm R507a
RB34L-R507a/1000	1000 ppm R507a
RB34L-R507a/3000	3000 ppm R507a
RB34L-4GAS-B	O <sub>2</sub> , CH <sub>4</sub> , CO, H <sub>2</sub> S (18%, 50%LEL, 100 ppm, 25 ppm)



34 liter regulator



**CTI CALIBRATION TECHNOLOGIES**  
GAS DETECTION SPECIALISTS

2515 Tule Winds Parkway, Columbia, MO 65201    800-828-2222

Product Identifier: Calibration gas mixture, R22  
Part Number: RB34L-R22/3000  
Mixture: 3006 ppm R22, balance air  
Lot Number: 82-124505823-1  
Manufacture Date: January 2019  
Expiration Date: January 2020  
Contents: 34L @70 deg F, 500 PSIG