

GENie Calibration Gas System

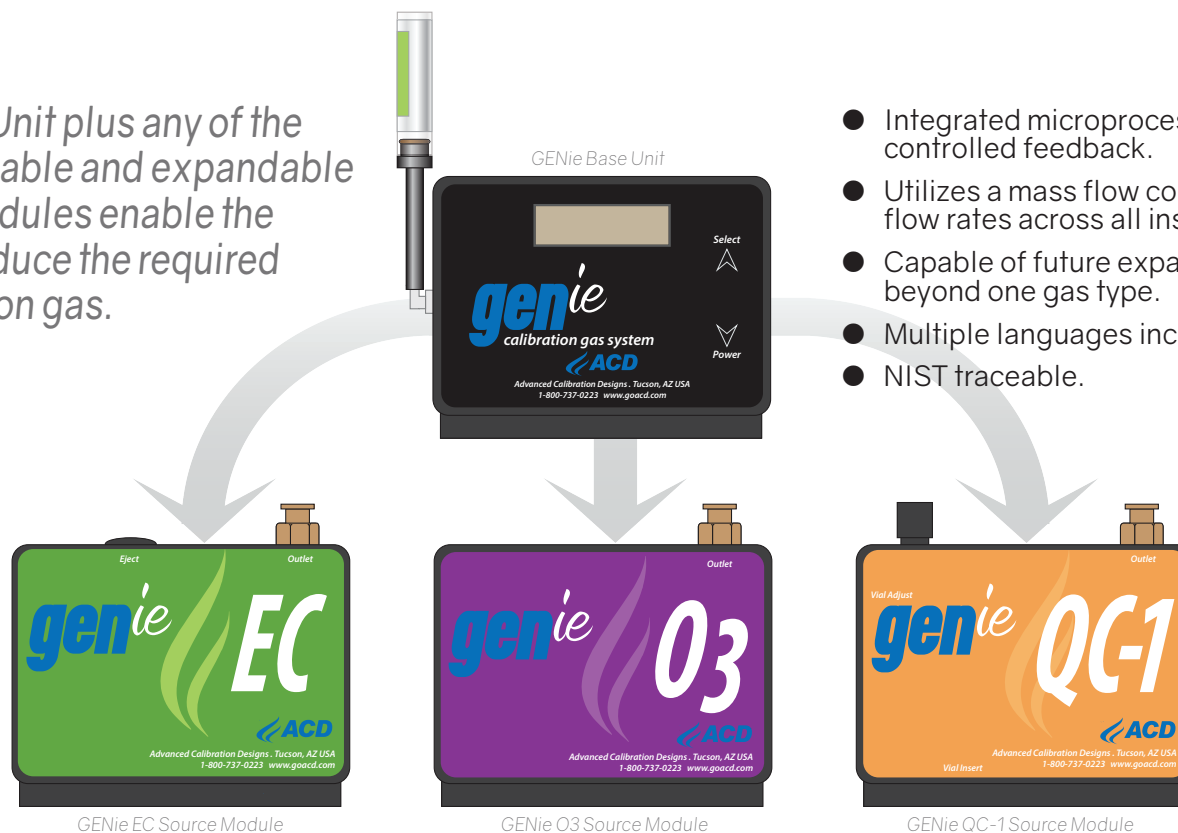
INTEGRATED AND EXPANDABLE

The GENie Calibration Gas System is an integrated and expandable solution for hard to find calibration gas sources.

Compact, hand-held, accurate, economical and rugged, this family of integrateable and expandable calibration gas instruments will generate a variety of gases from one modular instrument. As your calibration gas needs grow, so does the GENie, with integrated, expandable Source Modules that provide for a cost effective solution.



One GENie Base Unit plus any of the three interchangeable and expandable GENie Source Modules enable the instrument to produce the required certified calibration gas.



- Integrated microprocessor controlled feedback.
- Utilizes a mass flow controller for accurate flow rates across all instruments.
- Capable of future expansion beyond one gas type.
- Multiple languages included.
- NIST traceable.

- Adjustable gas concentrations created on demand.
- Interchangeable generating sources.
- Expandable concentrations and gases.
- Non-hazardous transport.
- Ideal for demand flow or diffusion applications.

- Most accurate source of O3 calibration gas on the Market.
- Selectable concentrations.
- Compact, portable hand-held design.
- Long life & simple to use.

- 96 hours of source gas included.
- Disposable gas vials have unlimited shelf life.
- Most accurate source of NH3 calibration gas on the market.
- Non-hazardous transport.

GENie EC

CALIBRATION GAS INSTRUMENT



The GENie EC is one of our most compact and user-friendly instruments.

The GENie EC is our most accurate, diverse, compact and user-friendly instrument. Certified calibration gas sources provide the equivalent of up to 100 compressed gas cylinders. Interchangeable gases, adjustable concentrations, demand flow capable and the ability to provide the lowest most accurate concentrations in the industry make the GENie EC the smart choice for calibration professionals.

- Adjustable calibration gas concentrations created on demand.
- Interchangeable generating sources.
- Expandable concentrations and gases.
- Integrated microprocessor controlled feedback.
- Non-hazardous transport.
- Ideal for demand flow or diffusion applications.
- English, French, German, Portuguese and Spanish user interfaces are included.

GENie EC Gas Options

Gas	PPM
● H ₂ Hydrogen	.05 - 500
● ClO ₂ Chlorine Dioxide	0.5 - 5.0
● H ₂ S Hydrogen Sulfide	.05 - 50
● HCN Hydrogen Cyanide	.05 - 50
● Cl ₂ Chlorine	.05 - 50

Concentration	Adjustable
Accuracy	± 5% or ± 10%
Available generating life	10, 50 or 100 hours / cell
Non-hazardous shipping	Yes
Interchangeable gases	Yes
No shelf degradation	Yes
Mass flow feedback	Yes

GENie EC Instrument & Accessories

What's Included?

GENie EC instrument with nylon carrying case, batteries hose and instruction manual. Sources are not included. A source is required to run the instrument and are interchangeable. Order sources as required from the list below.

Instrument

750-0200-01 GENie EC Instrument

Sources

	PPM	Gas	Size	Hrs
510-0200-15	.05-5	Cl2 (chlorine)	Micro	10 hrs
510-0200-05	.05-5	Cl2 (chlorine)	Micro	50 hrs
510-0200-25	.05-5	Cl2 (chlorine)	Double life micro	100 hrs
510-0200-10	.5-50	Cl2 (chlorine)		10 hrs
510-0200-00	.5-50	Cl2 (chlorine)		50 hrs
510-0200-20	.5-50	Cl2 (chlorine)	Double life	100 hrs
510-0206-10	.5-5	ClO2 (chlorine dioxide)		10 hrs
510-0206-00	.5-5	ClO2 (chlorine dioxide)		50 hrs
510-0206-05	.5-5	ClO2 (chlorine dioxide)	Double life	100 hrs
510-0209-10	.5-50	H2 (hydrogen)		10 hrs
510-0209-00	.5-50	H2 (hydrogen)		50 hrs
510-0209-20	.5-50	H2 (hydrogen)	Double life	100 hrs
510-0201-09	50-500	H2 (hydrogen)	High output	100 hrs
510-0205-15	.05-5	H2S (hydrogen sulfide)	Micro	10 hrs
510-0205-05	.05-5	H2S (hydrogen sulfide)	Micro	50 hrs
510-0205-25	.05-5	H2S (hydrogen sulfide)	Double life micro	100 hrs
510-0205-10	.5-50	H2S (hydrogen sulfide)		10 hrs
510-0205-00	.5-50	H2S (hydrogen sulfide)		50 hrs
510-0205-20	.5-50	H2S (hydrogen sulfide)	Double life	100 hrs
510-0207-15	.05-5	HCN (hydrogen cyanide)	Micro	10 hrs
510-0207-05	.05-5	HCN (hydrogen cyanide)	Micro	50 hrs
510-0207-25	.05-5	HCN (hydrogen cyanide)	Double life micro	100 hrs
510-0207-10	.5-50	HCN (hydrogen cyanide)		10 hrs
510-0207-00	.5-50	HCN (hydrogen cyanide)		50 hrs
510-0207-20	.5-50	HCN (hydrogen cyanide)	Double life	100 hrs

(PPM is variable with flow rate, output given at 0.5 LPM)



Accessories

730-0615-00	Hard Body Case
362-0010-00	External Battery Extender (adds up to 13 hours of use)
362-0600-01	Continuous Operation Adapter (specify country)

Replacement Parts

730-0201-00	Nylon Carrying Case
113-0400-00	Outlet Fitting
113-0402-00	Hose Connector Insert
243-0101-00	Magnetic Tip Screwdriver
715-0405-0X	5 Foot Hose with Quick Connect
750-0202-02	GENie O3 Source Module (includes source)
750-0202-03	GENie QC-1 Source Module (includes source)
150-0120-00	External Charcoal Filter Assembly, GENie Series

Specifications

Air flow rate (with internal pump)	0.2 to 1 LPM
Sample draw rate (with pump disabled)	0.1 to 1.2 LPM
Source life	10, 50 or 100 hours / source
Warm-up time (to 90%)	Approx. 2 minutes
L x W x H	5"W x 3.88"H x 3.13"D
Weight	2 lb. (1360 g)
Operating temperature	0° C to 50° C
Relative humidity (intermittent use)	0 - 100%
Accuracy	±10%
Repeatability	±5%
Battery power	4 Alkaline 'AA'
Battery life	8 hours (at .5 LPM flow rate)



GENie O3

CALIBRATION GAS INSTRUMENT



The GENie O3 portable calibration gas standard is small and lightweight for calibrating the most difficult to reach Ozone sensors.

The GENie O3 will calibrate nearly any Ozone gas sensor or detection system on the market by utilizing its internal mass flow sensor and ultraviolet light source to provide accurate levels of Ozone gas to the end user. Ozone gas cannot be stored in cylinders and must be generated on site, therefore there are no calibration gas cylinders of ozone available on the market.

The GENie O3 comes with an NIST certificate of calibration to +/- 10 %, providing exceptional accuracy as well as high precision.

The unparalleled long life source in the instrument has an expected life of up to five hundred hours of use, allowing for extremely low cost calibrations over the life of the source.

- Most accurate source of ozone calibration gas on the market.
- Selectable concentrations.
- Integrated microprocessor controlled feedback.
- Compact, portable hand-held design.
- Long life.
- Simple to use.
- English, French, German, Portuguese and Spanish user interfaces are included.

GENie O3 Ozone Gas Options

Gas	PPM
● O3 Ozone	0.2 - 1.0 PPM
Concentration	Adjustable
Accuracy	± 5% or ± 10%
Available generating life	Up to 500 hours
Non-hazardous shipping	Yes
No shelf degradation	Yes
Mass flow feedback	Yes

GENie O3 Instrument & Accessories

What's Included?

GENie Base Unit, GENie O3 Source Module, 1' hose, nylon carrying case, batteries and manual

Instrument

750-0200-02 GENie O3 Instrument

Accessories

362-0600-01 Continuous operation adapter, (specify country) plug
 362-0010-00 External battery extender (does not include batteries)
 730-0615-00 Hard body case

Replacement Parts

113-0402-00 Hose connector, insert (hose barb) quick connect
 715-0405-0X Hose, with quick connect, 5'
 730-0201-00 Nylon carrying case, GENie
 113-0400-00 Outlet fitting, body (1/8 NPT) quick connect
 243-0101-00 Tool, ACD magnetic tip screwdriver
 150-0120-00 External charcoal filter assembly, GENie series



Specifications

Air Flow Rate (with internal pump)	Variable
Useful Source Life	Up to 500 hours
Warm-up time (to 90%)	Approx. 2 minutes.
L x W x H	5.00 x 3.88 x 3.13" (12.7 x 9.85 x 7.95 cm)
Weight	2 lb. (907 g)
Operating Temperature	0° C to 50° C
Relative Humidity (intermittent use)	0 - 100%
Accuracy	±10% (±5% available)
Repeatability	±5%
Battery Power	4 alkaline 'AA'
Battery Life	6 hours



GENie QC-1

CALIBRATION GAS INSTRUMENT



The GENie QC-1 ammonia calibration gas instrument - Compact, rugged and adjustable.

The GENie QC-1 generates ammonia calibration gas by utilizing a sealed glass ampule that is broken for use, the GENie QC-1 is the perfect tool for anyone calibrating fixed or portable ammonia sensors. With user adjustable outputs, the GENie QC-1 can be set to a wide range of outputs allowing for calibration of nearly any ammonia detector on the market.

The GENie QC-1 is compact and rugged allowing for use in the harshest environments. The easy to read LED display along with the instruments' ergonomic design and nylon carrying case creates ease of use and portability. Once each ammonia vial has been broken for use, the GENie QC-1 will provide up to eight hours of continuous calibration gas before the vial is discarded, making the GENie QC-1 extremely cost effective.

- 96 hours of source gas included.
- Integrated microprocessor controlled feedback.
- Disposable gas vials have unlimited shelf life.
- Non-hazardous transport.
- The most accurate source of NH₃ calibration gas on the market.
- Simple to use, NIST traceable.

GENie QC-1 Gas Options

Gas	PPM
● NH ₃ Ammonia	20-1000 or 10-500
Concentration	Adjustable
Accuracy	± 10%
Available generating life	8 hours / vial
Non-hazardous shipping	Yes
Interchangeable gases	Yes
No shelf degradation	Yes
Mass flow feedback	Yes



Specifications

Air Flow Rate (with internal pump)	Variable
Useful Source Life	8 hours / vial
Warm-up time (to 90%)	Approx. 5 minutes.
L x W x H	5.00 x 3.88 x 3.13" (12.7 x 9.85 x 7.95 cm)
Weight	2 lb. (907 g)
Operating Temperature	0° C to 50° C
Relative Humidity (intermittent use)	0 - 100%
Accuracy	±10% (±5% available)
Repeatability	±5%
Battery Power	4 alkaline 'AA'
Battery Life	5 hours approx.

GENie QC-1 Instrument & Accessories

What's Included?

GENie Base Unit, GENie QC-1 Source Module, 5' hose, nylon carrying case, batteries and manual.

Instrument

750-2000-03 GENie QC-1 Instrument

Accessories

- 525-0001-12 NH3 (ammonia) QCV, 12 pack
- 362-0600-01 Continuous operation adapter, (specify country) plug
- 362-0010-00 External battery extender (does not include batteries)
- 750-0202-01 GENie EC Module – Source is not included. See GENie EC for source list
- 750-0202-02 GENie O3 Module – Includes source (100 hrs.)
- 730-0615-00 Hard body case

Replacement Parts

- 113-0402-00 Hose connector, insert (hose barb) quick connect
- 715-0405-0X Hose, with quick connect, 5'
- 730-0201-00 Nylon carrying case, GENie
- 113-0400-00 Outlet fitting, body (1/8 NPT) quick connect
- 243-0101-00 Tool, ACD magnetic tip screwdriver
- 150-0120-00 External charcoal filter assembly, GENie series

