

CAL 2000

CALIBRATION GAS INSTRUMENT



The CAL 2000 provides unmatched versatility and accuracy in corrosive calibration gases.

Field replaceable electrochemical generating sources provide a standard for accurately calibrating chlorine, chlorine dioxide, hydrogen, hydrogen cyanide, and hydrogen sulfide gas sensors.

The CAL 2000 is microprocessor controlled and has an LCD display allowing field adjustable concentration and flow rate. The generating sources are interchangeable and field replaceable. Best of all, the CAL 2000 generating source provides up to 50 times as much calibration gas as a disposable cylinder at approximately the cost of just two cylinders.

The CAL 2000 gas instrument has a built-in mass flow sensor that automatically compensates for altitude and temperature.

- Demand flow capable.
- CSA NRTL/C Exia T-6 approved intrinsically safe with CE mark and ATEX certification.
- NIST traceable certification.
- Adjustable PPM and flow rate.
- Automatic purge on shut down.
- Interchangeable calibration gases.
- Low power consumption.
- Alkaline battery powered.

CAL 2000 Gas Options

Gas	PPM
● H2 Hydrogen	.05 - 500
● ClO2 Chlorine Dioxide	0.5 - 5.0
● H2S Hydrogen Sulfide	.05 - 50
● HCN Hydrogen Cyanide	.05 - 50
● Cl2 Chlorine	.05 - 50

Concentration	Adjustable
Certifications	CE, ATEX, CSA
Accuracy	± 5% or ± 10%
Available generating life	10, 50, 100 hrs.
Non-hazardous shipping	Yes
Interchangeable gases	Yes
No shelf degradation	Yes
Mass flow feedback	Yes

CAL2000 Instrument & Accessories

What's Included?

CAL 2000LT 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

750-0603-00 CAL 2000 Instrument

Sources

	PPM	Gas	Size	Hrs
510-2000-10	0.5 - 50	Cl2 (chlorine)		10
510-2000-00	0.5 - 50	Cl2 chlorine		50
510-2000-20	0.5 - 50	Cl2 (chlorine)	Double life	100
510-2000-15	0.05 - 1.0	Cl2 (chlorine)	Micro	10
510-2000-05	0.05 - 1.0	Cl2 (chlorine)	Micro	50
510-2000-25	0.05 - 1.0	Cl2 (chlorine)	Micro double life	100
510-2060-10	0.5 - 5	CIO2 (chlorine dioxide)		10
510-2060-00	0.5 - 5	CIO2 (chlorine dioxide)		50
510-2060-20	0.5 - 5	CIO2 (chlorine dioxide)	Double life	100
510-2090-10	0.5 - 50	H2 (hydrogen)		10
510-2090-00	0.5 - 50	H2 (hydrogen)		50
510-2090-20	0.5 - 50	H2 (hydrogen)	Double life	100
510-2050-10	0.5 - 50	H2S (hydrogen sulfide)		10
510-2050-00	0.5 - 50	H2S (hydrogen sulfide)		50
510-2050-20	0.5 - 50	H2S (hydrogen sulfide)	Double life	100
510-2050-15	0.05 - 1.0	H2S (hydrogen sulfide)	Micro	10
510-2050-05	0.05 - 1.0	H2S (hydrogen sulfide)	Micro	50
510-2050-25	0.05 - 1.0	H2S (hydrogen sulfide)	Micro double life	100
510-2070-10	0.5 - 50	HCN (hydrogen cyanide)		10
510-2070-00	0.5 - 50	HCN (hydrogen cyanide)		50
510-2070-20	0.5 - 50	HCN hydrogen cyanide)	Double life	100
510-2070-15	0.1 - 2.0	HCN (hydrogen cyanide)	Micro	10
510-2070-05	0.1 - 2.0	HCN (hydrogen cyanide)	Micro	50
510-2070-25	0.1 - 2.0	HCN (hydrogen cyanide)	Micro double life	100

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

Accessories

362-0600-00 Continuous operation adapter, 115VAC with US plug
730-0615-00 Hard body carrying case

Replacement Parts

193-0101-01 Electrolyte, ClO2, 15 ml vial
193-0101-05 Electrolyte, ClO2, 15 ml vial, 5 pack
193-0101-10 Electrolyte, ClO2, 15 ml vial, 10 pack
193-0101-25 Electrolyte, ClO2, 15 ml vial, 25 pack
106-0603-01 Plunger feet fastener
113-0400-00 Outlet Fitting, body (1/8 NPT) quick connect
113-0402-00 Hose connector, insert (hose barb) quick connect
150-0121-00 Charcoal filter element
150-0131-00 Charcoal filter element, package of 12
715-0405-0X Hose, with quick connect, 5'
730-0603-00 Nylon carrying case

Specifications

Air Flow Rate (with internal pump)	0.2 to 1 (with internal pump)
Sample draw rate	0.2 to 5 LPM (with pump disabled)
Useful Source Life	10, 50 or 100 hours
Warm-up time (to 90%)	Approx. 5 minutes.
L x W x H	8.50 x 4.25 x 3.00" (21.59 x 10.8 x 7.62 cm)
Weight	3 lb. (1360 g)
Operating Temperature	0° C to 50° C
Relative Humidity (intermittent use)	0 - 100%
Accuracy	±10% (±5% available)
Repeatability	±5%
Battery Power	4 alkaline "C"
Battery Life	10 hours (at .5 LPM flow rate)



H₂

ClO₂

H₂S

HCN

Cl₂