

CAL-2000

Unmatched Versatility and Accuracy

- NIST traceable certification.
- Interchangeable calibration gases.
- Adjustable PPM and flow rate.
- Unlimited shelf life.
- Non-hazardous shipping.
- Intrinsically safe (CSA Certified).



Versatile

Field replaceable electrochemical generating Sources provide a standard for accurately calibrating both fixed and portable detection systems from any manufacturer.

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.

Accurate

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

Specifications

| Source Type | Range @ 0.5 LPM Flow |
|---|---|
| Chlorine Micro-Source (Cl ₂) | 0.05 - 1.0 ppm |
| Chlorine (Cl ₂) | 0.5 - 50.0 PPM |
| Chlorine Dioxide (ClO ₂) | 0.5 - 5.0 PPM |
| Hydrogen (H ₂) | 0.5 - 50.0 PPM |
| Hydrogen Cyanide (HCN) | 0.5 - 50.0 PPM |
| Hydrogen Sulfide Micro-Source(H ₂ S) | 0.05 - 1.0 PPM |
| Hydrogen Sulfide (H ₂ S) | 0.5 - 50.0 PPM |
| Nitrogen Dioxide (NO ₂) | 0.05 - 5.0 PPM |
| Ammonia (NH ₃) | 1.0 - 100.0 PPM |
| Air Flow Rate (with internal pump) | 0.2 to 1 LPM |
| Sample draw rate (with pump disabled) | 0.2 to 1 LPM |
| Useful Source Life | 10, 50 or 100 hours |
| Warm-up time (to 90%) | Approx. 5 mins. |
| 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) |

Gas Options

| Gas | Gas Name | PPM |
|---------------------------|------------------|---------------------|
| NO ₂ | Nitrogen Dioxide | .05 - 5 |
| NH ₃ | Ammonia | 1.0 - 100 |
| Cl ₂ | Chlorine | .05 - 50 |
| ClO ₂ | Chlorine Dioxide | 0.5 - 5 |
| H ₂ S | Hydrogen Sulfide | .05 - 50 |
| H ₂ | Hydrogen | .5 - 50 |
| HCN | Hydrogen Cyanide | .5 - 50 |
| Concentration | | Adjustable |
| Certifications | | CSA, ATEX, CE |
| Available Generating Life | | 10, 50 or 100 hours |
| Non-hazardous Shipping | | Yes |
| Interchangeable Gases | | Yes |
| No Shelf Degradation | | Yes |
| Mass Flow Feedback | | Yes |



Advanced Calibration Designs, Inc.
 2024 W McMillan St. Tucson, AZ 85705 USA
www.goACD.com . acd@goACD.com
 520-290-2855 . 800-737-0223