

THE HYDROGEN



HYDROGEN CALIBRATION GAS

ACD is proud to introduce the **HydroGen**, our newest electrochemical gas generator. The **HydroGen** gives unlimited hydrogen calibration gas using an 'infinite life' electrochemical gas generating cell. The cell is capable of generating hour after hour of calibration gas with no pre-set end of service life.

The **HydroGen** is microprocessor controlled and has an LCD display allowing field adjustable ppm and flow rate. With a range from 100 ppm to 10,000 ppm, the **HydroGen** allows calibration from low ppm levels to 25% of the Lower Explosive Limit (LEL). In addition, the **HydroGen** can easily be changed from English to French, German or Spanish in the field.

The **HydroGen** gas generator has a built-in mass flow sensor that automatically compensates pump flow for altitude and temperature. The mass flow sensor combined with our electrochemical cell provide a highly versatile calibration source.

The **HydroGen** gas generator's features include:

- Compact "hand-held" design
- Low power consumption
- Alkaline battery powered
- Adjustable ppm and flow rate
- Automatic purge on shut down
- Unlimited cell life

Specifications

Hydrogen (H₂)	50 - 10,000 ppm (25% LEL) <i>(ppm range varies with flow rate. Minimum and maximum concentrations are shown)</i>
Air Flow Rate.....	0.05 to 0.5 LPM
Useful Cell Life.....	Unlimited
Warm-up time.....	300 Seconds
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.....	±5%
Battery Power.....	4 alkaline "C"
Battery Life.....	Approx. 10 hrs. at .5 LPM