



Calibration & Test Gas Generator for Chlorine

Some gases are difficult or even impossible to obtain reliably in compressed gas cylinder form. This is because these gases are very chemically reactive. They may interact with the cylinder walls or react with other gases in the mixture. Chlorine (Cl_2) is such a gas. To overcome these difficulties, Hatech has designed a gas generator that can reliably and accurately provide calibration and test gas for Cl_2 at low concentrations.

GazCal™ Calibration Gas Generator

- Provides 0.5 – 20.0 ppm concentrations in 0.1 ppm steps
- Available in 0.5 and 1.0 litre/minute flowrate options
- Dial-up digital display ensures ease of setting the required ppm level
- Cell life indicator shows effective life of the generation cell
- Mains or rechargeable battery operation
- Internal pump provides air flow
- Rugged construction for the most aggressive environments

Applications

To ensure that gas detection equipment is functioning correctly, the GazCal™ can be used to provide reliable laboratory and on-site calibration and test gas for Cl_2 gas detectors.

Where can the GazCal™ be used?

- Water treatment
- Swimming pools
- Chemicals manufacture

Specification

GazCal™

The Hatech gas generator provides a low concentration of calibration gas by using a solid-state electrochemical cell. When the instrument is operating, this generating cell produces a small quantity of the gas. A closely controlled air flow, provided by the pump, then dilutes the gas to the required concentration.

It is not necessary to have any type of measuring device incorporated into the generator, as an accurate concentration of gas is provided every time. Literally thousands of calibrations can be carried out by one generating cell. Once the effective life of the cell is over, a new generating cell can be installed.

Concentration Range:	0.5 – 20.0 ppm
Flow Rates:	0.5 or 1.0 litre per minute (factory set)
Cell Life:	500 ppm hours
Power supply:	110V or 240V 50/60 Hz mains or internal rechargeable battery
Dimensions:	240 x 110 x 220 mm (Width x Depth x Height)
Weight:	2.0 Kg



Hatech also supplies a range of precision gas mixtures in a variety of lightweight, non-refillable cans and cylinders for bump testing and calibrating gas detection equipment.

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