

THE VERSACAL



AMMONIA CALIBRATION GAS GENERATOR

Advanced Calibration Designs is pleased to introduce the **VersaCal**. The **VersaCal** provides state of the art technology allowing ammonia calibration gas generation utilizing a stable and reliable medium. The **VersaCal** allows the ammonia concentration to be changed within a range of 10 to 150 ppm.

The **VersaCal** utilizes a small, disposable QuickCheck Vial (QCV) with a known liquid concentration of the gas to be generated. This vial emits a small quantity of gas when placed in the **VersaCal**. A photoionization detector (PID) and mass flow controller are used in a process control circuit, allowing precise control of the calibration gas output. The QCV plug holder has a built in needle valve to allow compensation for temperature differences, QCV depletion or desired ppm range.

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

- Versatility
- Adjustable ppm output
- Economical
- NIST Certified
- Compact design
- Non-hazardous shipping
- Alkaline Battery Powered
- Long QCV shelf life

Specifications

Ammonia (NH₃).....10 - 150 ppm

Note: The available range of the VersaCal instrument is dependent on factors such as temperature, vial depletion and needle valve setting on the QCV plug holder.

QuickCheck Vials (QCV)

Useful Vial Life.....Up to 8+ hours

VersaCal Instrument

Initial Warm-up time.....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.....2.5 lb. (1134 g)
Operating Temperature.....0° C to 50° C
Relative Humidity (Non-Condensing).....0 - 100%
Accuracy.....±10%
Battery Power.....4 alkaline "C"
Battery Life.....10 hours (at .5 LPM flow rate)