

## Precise gas Calibrator with Permeation oven

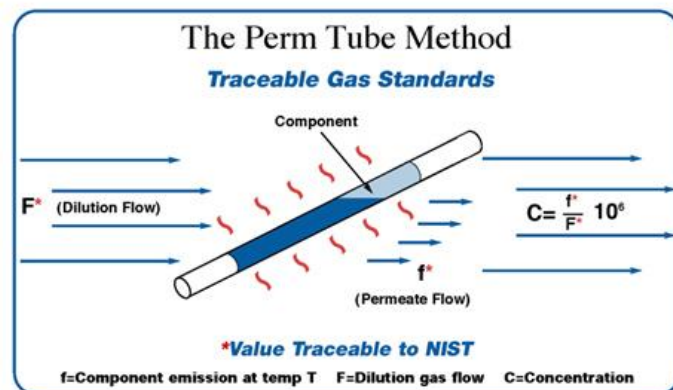


ETG's Model CAL-G-101 Permeation oven is a simple, effective tool for generating precise gas concentrations for calibrating air quality analyzers, source monitors and other instruments. When combined with ETG's Gas Dilution Calibrators, it creates a powerful and intelligent calibration system.

The Model CAL – G - 101 Permeation oven chamber is large enough for a variety of tasks and was designed to be used in a number of different settings. Operators can use many types and sizes of permeation tubes concurrently in the Model CAL – G – 101's large-capacity gas permeation chamber. A front panel mounted precision pressure regulator, reference pressure gauge, temperature controller and oven inlet give the operator easy access to the unit controls at all times.

The most common type is a small tubular device that has liquid analyte sealed inside the tube. A very small but stable flow (nanograms-per-minute) of analyte vapor is emitted through the tube wall at constant temperature. The emission rate of the tube is determined by measuring the rate of weight loss.

Permeation tubes use a permeable membrane to dispense a small flow of chemical vapor





- · Microprocessor-based temperature controller featuring
- proportional heater control and digital display of set point and oven
- temperatures
- · Digital display of temperature and set point
- · RTD temperature sensor
- MFC to set precise flow control by analogic external signal or via ETG SW
- Zero & span calibration by internal solenoid valve
- Double oven option
- · Front panel mounted pressure regulator, pressure gauge,
- temperature controller and oven inlet
- · Glass Oven Size: 3.20 cm inside chamber diameter, 13.4 cm
- usable length, 107 cubic cm volume
- · Teflon Coated Oven Size: 3.09 cm inside chamber diameter,
- 12.7 cm usable length, 123.6 cubic cm volume
- · Operating Range: 2 deg. C above ambient to 60 deg. C, alternate
- ranges available upon request
- · Quite, long life diaphragm pump
- · Air inlet filter
- · Moisture removal system
- · Unit Operating Temperature: 5 deg. C to 40 deg. C
- · Warm Up: Less than 30 minutes
- · Electrical: 115/230 Vac, 200 VA,
- 50/60 Hz
- · Unit Size (13.3 cm) x (48.3 cm) W x (38.1cm) D
- · Weight (9 kg)

#### ETG RISORSE E TECNOLOGIA

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