

## Model 2500 Permeation Oven

### Overview

The Model 2500 permeation oven is a simple, effective tool for generating precise gas concentrations for calibrating air quality analyzers, source monitors and other measurement equipment. When combined with our gas dilution calibrators, it creates a powerful and intelligent calibration system.

The Model 2500 permeation oven chamber is large enough for many types and sizes of permeation tubes. 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. Carrier air is provided by the Model 2500's clean air system



### Model 2500 Specifications *Specifications subject to change without notice*

### Model 2500 Optional Features

- ▶ Rack Mount Kit
- ▶ Dual Permeation Oven
- ▶ Internal Carrier Air Supply
- ▶ Zero / Span Valve

Note: The permeation oven is available as an internal option for the Model 4010 Gas Dilution Calibrator.

### Model 2505 Portable Permeation Oven

The Model 2505 enjoys the same basic features as the Model 2500, but it offers a battery backup for continuous control of the permeation oven while the unit is in transit. In addition, the portable unit is housed in a smaller chassis for easy transport and handling.

### Model 2505 Specification Variances

- ▶ Battery Backup: 8 hours operation when fully charged
- ▶ Approximate Size: Height 6.2 in. (15.6 cm) x Width 14.3 in. (36.4 cm) x Depth 14.4 in. (36.6 cm)
- ▶ Weight 18 lbs (8.2 kg)

### Model 2505 Optional Features

- ▶ High Impact Transport Case
- ▶ Dual Permeation Oven

Temperature controller	Microprocessor-based Proportional heater control Digital display of set point & oven temperatures
Temperature & set point	Digital display
Temperature sensor	RTD
Front panel mounted	Pressure regulator, pressure gauge, temperature controller and oven inlet
Teflon Coated Oven Size	3.09 cm inside chamber diam, 12.7 cm usable length, 123.6 cubic cm volume
Operating Range	2 deg. C above ambient to 65 deg. C, alternate ranges available upon request
Unit Operating Temperature	5 deg. C to 40 deg. C
Warm Up	Less than 30 minutes
Electrical	98-132 VAC (Optional 196-264 VAC), 150 VA, 50/60 Hz
Unit Size	5.25" (13.3 cm) x 19" (48.3 cm) W x 15" (38.1 cm) D
Weight	18 lbs (8.2 kg)