



The GILBRATOR-2® Base can be used with any of three wet cells (left) or the Sensidyne unique new soapless piston cell (shown mounted on base).

Wet Cells

Three bubble-type cells are available, for air flow ranges of:

- 1 to 250 cc (low flow cell);
- 20cc to 6 LPM (standard flow cell); and
- 2 to 30 LPM (high flow cell).

When used with the GILBRATOR-2® Base, these unique, interchangeable wet cells automatically generate perfect bubble films at the touch of a button, using infrared technology to read the bubble flow rate, which is then calculated and displayed.

Piston Cell

This unique cell uses a soapless piston-type design to provide a primary flow standard for air flows from 1 to 5 LPM. Based on a nearly frictionless piston, it is ideal for field or lab environments where the user may prefer a liquid-free instrument, assuring accuracy and reproducibility.

GILBRATOR-2® Base

Easy to operate, microprocessor-controlled unit features simple on/off and reset touchpad with large LCD screen that displays flow rate, the calculated average of multiple flow samples in a series, and the sample number. Light in weight, it operates with either AC power or rechargeable Nicad batteries (8 hour life), for easy portability in either the lab or the field.



GILBRATOR-2® Diagnostic Kits

Offers the industrial hygienist a complete, portable calibration laboratory. Consists of GILBRATOR-2® Base with either three wet bubble cells or one soapless piston cell in a cushioned carrying case, with a full diagnostic panel built into the top lid of the case. The panel uses an interchangeable rotameter design for 2 to 5,000 cc flow capability and will run any of several diagnostic tests:

- "Load" simulation – Offers two load simulations for high and low flows to imitate line back-pressures.
- Back pressure reading – A built-in Magnehelic® gauge allows visual monitoring of in-line back pressures up to 30" H₂O.
- Leak checking – Built-in Magnehelic® gauge allows visual leak testing and monitoring capabilities.
- Pump flow adjustment – Rotameters allow instant visual indication of approximate flow rates, assisting in properly adjusting air flows.



Deluxe Wet Cell Diagnostic Kit

Specifications

Low Flow Wet Cell

Dimensions: 2"W x 4"H x 2.1"D (51W x 102H x 53mmD) **Weight:** 0.4 lbs. (.18 kg)

Standard Flow Wet Cell

Dimensions: 2.5"W x 6"H x 2.6"D (64W x 152H x 66mmD) **Weight:** 0.82 lbs. (0.37 kg)

High Flow Wet Cell

Dimensions: 3.5"W x 8.1"H x 3.7"D (89W x 206H x 94mmD) **Weight:** 2.26 lbs. (1.02 kg)

Piston Soapless Cell

Dimensions: 4.0"W x 9.6"H x 7.5"D (102W x 244H x 191mmD)
Weight: 2.74 lbs. (0.24 kg)

Flow Range, Accuracy

Low Flow Wet Cell, 1 - 250 cc/min., ±1% of reading accuracy; **Piston Soapless Cell**, 1 - 5 LPM, ±3% of reading accuracy; **Standard Flow Wet Cell**, 20cc to 6 LPM, ±1% of reading accuracy; **High Flow Wet Cell**, 2-30 LPM, ±1% of reading accuracy

Temperature Limits:

Operating Temperature: 5° to 35°C (41° to 95°F); **Storage Temperature:** 0° to 50°C (32° to 122°F)

Electrical:

DC Power Source: Internal Battery Pack; **AC Power Source:** Continuous operation through adapter/charger; **Battery Charge Time:** 14 Hrs.; **Expected Battery Life:** over 300 charge/recharge cycles; **Transmission Link:** RS-232; **Interface Connectors:** Charger Jack (2.1mm barrel jack), Printer Jack (DB-25), SensorJack - Piston Cell (DB-15), SensorJack - Wet Cell (DB-9)

THE SENSIDYNE ANSWER CENTER
800.451.9444 (or 727.530.3602; fax 727.539.0550)

AIR SAMPLING SOLUTIONS, AS CLOSE AS YOUR TELEPHONE.