

Monosorb Surface Area Analyzer

The Monosorb, a direct reading dynamic flow surface area analyzer, utilizes a modified B.E.T. equation for extremely rapid single point determinations of surface area.

Features:

- **Speed**

The **Monosorb**:

- ▲ requires as little as 6 minutes to complete an analysis.
- ▲ uses small quantities of sample resulting in short outgassing and analyses times.
- ▲ utilizes the most modern and reliable method for extremely rapid and accurate B.E.T. surface area measurements.
- ▲ doesn't require void volume measurements and ideal gas corrections.



- **Versatility**

The **Monosorb** permits the user:

- ▲ to choose the correct concentration of adsorbate to give results identical to the multipoint method.
- ▲ to use many different adsorbates in addition to nitrogen, such as, argon, krypton, carbon monoxide, carbon dioxide and other non-corrosive gases.
- ▲ to use a wider variety of sample cells allowing measurements to be made on many diverse sample.

- **Automation**

- ▲ with the push of just one button, the sequence of adsorption, warming of the sample cell, desorption and display of the surface area, all occur without operator intervention.
- ▲ AUTOCALIBRATE feature guarantees proper calibration at all times.
- ▲ built-in Flow Controller provides the ultimate in flow stability.

The high degree of sensitivity of the Monosorb allows the use of samples weighing less than one gram and provides the measurement of surface areas as low as 0.1 square meters in the sample cell regardless of the adsorbate gas used. The upper range of the Monosorb is over 250 square meters in the cell. The reproducibility is better than 0.5%. The accuracy of the Monosorb is limited by the applicability of the single point method, which is usually better than 5% and on most samples errors less than 1-2% are found.

Specifications

Power - 100-120V or 220V, 50/60 Hz

Dimensions - 25S"H x 12"D x 24"W (65cm x 31cm x 61 cm)

Weight - 53 lbs. (24 kg)