

## Surface Area Analyzer

Surface area analyzer is a very sensitive technique to find out the surface area, size, shape and volume of the pores. It is also useful to calculate the catalytic activity of the solid catalyst.

### Make and Model:

Quantachrome Autosorb AS-1Version-1.55

### Specification/ Features:

- Fully automated analyzer for surface area and pore size measurement.
- Operate with any non-corrosive adsorbate and wide variety of coolants.
- High sensitivity is ensured by multiple pressure transducers, minimum void volume and accurate coolant level control.
- Machine can be used to calculate the surface area and pore size distribution of the sample.
- It can also calculate the total pore volume of the sample.



### Available mode for use:

Nitrogen at 77K

Hydrogen at 77 K

Carbon dioxide at 273K

**Whether the facility is open to external users? : Yes**

### Location:

Room no. : 370, Second Floor, Central Facility

Department : Department of Chemistry

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