

BET SURFACE AREA ANALYZER
BELSORP MR 6



The specific surface area is one of several important characteristics for the evaluation of powder material. This instrument quickly and reliably measures the BET surface area of up to six samples. Measurement and pre-treatment are carried out simultaneously. The BELSORP MR 6 is used not only for research applications but also in quality control.

One sample measurement takes just 10 minutes*, excluding the time for pre-treatment. An intuitive software provides complete control of the measurement.

PRODUCT ADVANTAGES

- | Measurement of BET single point.
- | Sophisticated automatic control system eliminates operating errors.
- | 6 sample stations allow for high throughput.
- | Measurement time for one sample is approx. 10 mins (excluding pre-treatment).
- | Measurement and pretreatment in one process step.
- | Automatic LN2 supply option for continuous measurement.
- | P0 measurement option for highest accuracy.
- | Mixed gas unit option for BET multipoint measurement.

TYPICAL APPLICATIONS

Used in various fields such as: battery materials, catalysts, medicine / pharmaceuticals, cosmetics, fibers, polymer materials, fuel cells, cement, Toner particles, pigments, ceramics, separation membrane, semiconductor (CMP), adsorbent, MOF / PCP ...



To find the best solution for your particle characterization needs, visit our application database

TECHNICAL DATA

Measurement principle	Dynamic gas flow method (Single-point BET; opt.: Multi-point BET)
Detector	TCD
Adsorption gas	N ₂
Carrier gas	He
Number of measured samples	6
Pretreatment temperature	Up to 400°C
Measurement range	0.01 m ² /g and above
Reproducibility	within ±1.0%
Measurement time	Approx. 15 minutes (excluding pretreatment time)
Dimensions (W x H x D)	394 x 635 x 460 mm
Weight (main body)	48 kg
Power	AC 100 V / AC 200 V, 600 W, 50 / 60 Hz
CE certified	yes

*Sample dependent

www.microtrac.com/belsorp-mr6