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DENSITY ANALYZER

BELPYCNO

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The BELPYCNO is an analyzer for quick and reliable measurement of the true density of solid materials and powders using gas displacement.

The BELPYCNO offers high-resolution pressure measurement, variable cell volumes, greaseless, and one-touch sample cell cap. These features ensure high accuracy of the measurement result and easy operation.

- Highly precise measurement of the sample volumes thanks to variable cell volumes
- Sample cell cap without grease
- Convenient one-hand operation via touch screen

TYPICAL APPLICATIONS

Used in various fields such as: battery materials, catalysts, fibers, polymer materials, chemicals, cosmetics, fuel cells , cement, pigments, ceramics, magnetic material, semi-conductor (CMP), separation membrane, ...



battery materials


chemicals


ceramics

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

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OPTIONS

- Label printer for result output
- Sample weight acquisition from electronic balance
- Thermostatic water bath to maintain the sample temperature



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TECHNICAL DATA

Measurement principle	Gas displacement method
Sample cell volume	10 cm^3, 3.5 cm^3, 1 cm^3
Measurement accuracy	0.03% of F.S. +0.03% of reading
Repeatability	0.02% of F.S.
Pretreatment	Gas purge, flow, vacuum (option)
Pretreatment pressure	0-145kPa (Gauge)
Applicable gas	He, N_2, inert gas
Measurement pressure	145kPa (Gauge)
Repetition times of measurement	Maximum 100 times
Mean number of measurement	Maximum 10 times
Measurement temperature range	15-35°C, water bath: 15-50°C (option)
Calibration method	Automatic calibration with calibration sphere
Interface	Input: RS232C (communication with printer) Output: RS232C (communication with electric balance)
Dimensions (W x H x D)	270 x 170 x 300 mm
Weight	8 kg
Utility - Gas	He, N_2, inert gases: 150kPa (G)
Utility - Joint	1/8" Swagelok connection
Utility - Power	AC100~120V/200-240 V / 200 W, 50 / 60 Hz
CE certified	yes

www.microtrac.com/belpycno

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