

GraviSorp 120

Automatic Gravimetric Water Vapour Sorption Analyser

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The new automatic gravimetric Water Vapour Sorption Analyser is a cost effective solution for the determination of Water Vapour Sorption Isotherms for research and quality control. The complete automatic measuring process together with the precise balance, broad climate range and the user friendly software make it the ideal instrument for high sample throughput with a minimum of costs and maintenance.

- Complete automated system: Automatic weighting and changing of climate according to the settings of the user.
- Easy to use with a minimum of maintainance.
- User friendly software with advanced Excel export.
- Results are stored in Database with backup function.
- High sample weight capacity up to 120g (up to 400g as option).
- High resolution and precision by using a 0,01mg balance (0,1mg optional).
- 11 samples can be measured simultaneously.

Technical Data:

For the determination of the water vapour sorption isotherms based on the gravimetric method.

Microprocessor controlled.

Easy and user friendly input of all measuring parameters in a Windows® based PC software.

Integrated RS 232 interface for data transfer with the PC

System requirements of PC: Windows® XP-Professional or Windows 7® Business; min.

Excel®2000; free serial (RS 232 / COM) port.

11+1 samples.

Resolution of balance: 0,01 mg.

Measuring range of balance: 0 - 125g.

Maximum sample weight: 120g.

Minimum sample weight: 1mg.

Integrated temperature control: Temperature range from 3°C below ambient temperature up to 40°C at full humidity range, and 50°C/50% r.H..

Integrated humidity control: 10 - 90 % r.H. (1 - 98% r.H. as option).

Accuracy of humidity control: +/-1,5 % r.H. in the range over the samples.

Integrated control of the air velocity over the samples: 0,15 - 2 m/s.

Integrated sensor for measuring the atmospheric pressure.

Integrated Touchscreen display as a check of the operating conditions.

PC not included.

Voltage: 230 VAC or 115/110 VAC.

Compressed dry and oil free air with 6 bar needed.

Dimensions without PC: approx. 700 x 650 mm.

Weight without PC: approx. 42 kg.

All specifications are related to a room with an ambient temperature of 23 +/- 1 °C and a relative humidity of 50 +/- 5 %.

Subject to modifications in the interest of technical progress.