IRIS ANALYTICAL

WEIGHING SCALES/BALANCES











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Moisture Balance IBMH-3000 Seriesmeasures moisture content with increased precision and efficiency with halogen-infrared heat source features, PT100 sensor to ensure process repeatability and wide data storage capacity along with touch panel to display time, temperature and weighing results all at a time. Application area including biology, food, agriculture, pharmacy, textile, dye and research industries to resolve moisture content in a product. A single 400 W halogen lamp heats samples at 1 °C selectable rises. Equipped with color keys to enable quick recognition. Temperature range 5 to 35℃ and have capacity to weigh from 110 g to 210 g with readability of 1 mg.

Iris moisture balance is perfect for measuring moisture in most products including grains, pharmaceuticals, soils, sludge and chemicals. The amount of moisture in a product can greatly affect perceived quality. This measurement is key in quality control process of material as it qualifies quality or purity of a product.

There are different types of heating elements to be considered: ceramic, halogen and quartz elements. Each element offers heating properties so you should consider your application before choosing the appropriate one. Our tech support team can help you to select the relevant model.

The principle of moisture balance is to measure the original weight of a product before the drying process. It automatically and simultaneously dries and weighs solid samples for the determination of moisture content. It provides a continuous direct readout for both weight and percentage moisture loss through the entire cycle

In research work, manufacturing and quality control applications it is essential to be able to determine moisture content simply and reliably. This moisture balances do precisely that, providing moisture content data as a percentage of the initial mass or the residual dry mass.

- Simultaneous drying and weighing of samples
- Built in timer
- Weight and % moisture loss are visible during the heating until the end of the test.
- Simple operation

Applications:

Food:

- Any raw material, in process or finished sample
- Multiple measurement protocols ensure that moisture measurement throughput the manufacturing process is optimized.

Pulp/Paper:

- Paper and Wood Chip Moisture Measurement - Provides drying in less than 5 minutes with accuracy equivalent to or exceeding TAPPI oven tests.

Chemicals:

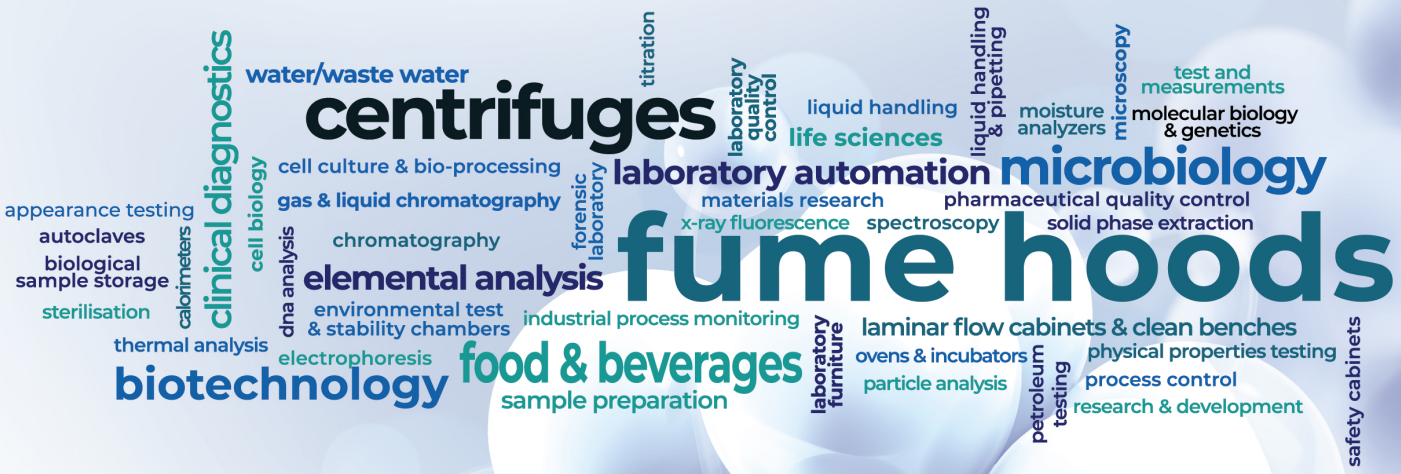
- Moisture measurement of numerous chemical products - Measure to 0.01% - 1 PPM (0.0001%).

Pharmaceuticals:

- Moisture measurement of Bulk samples and Release Specification products - Fully GLP/GMP compliant. Integrated calibration verification and optional test result printout for full measurement documentation.
- Plastics and Polymers: Plastic Pellet and Powder moisture measurement - Raw material and final product moisture measurement down to 1PPM.

Model	IBMH-3100		IBMH-3200		IBMH-3300		IBMH-3400	
Capacity	110 g						210 g	
Moisture Range	0.00 to 100 %							
Operating Temperature	5 to 35?							
Temperature Range	40 to 230?							
Dry Residual	100 to 0.00 %							
Resolution	1 mg							
Moisture Readability	0.01%							
Dry Residual Readability	0.01%							
Display	Backlight LCD							
Heat Source	1-Halogen Lamp							
Pan Dimension	100 mm							
Sensor	PT-100							
Temperature Step	1?							
Auto stop	0.1 to 9.9% within 1 minute							
ATRO	100 to 999 %							
ATRO	0 to 999 %							
No. of Storage Data	20							
Certification	CE certified							
Time Range	1 to 99 min by 10 sec step							
Power Consumption	400 W							
Host Dimension	215x195x415 mm							
Indicator Dimension	200x75x135 mm							
Weight	7.5 kg							
Electrical Requirement of Balance	220V/50Hz, ±15% , 110V/60Hz, 9v							
Electrical Requirement of Heater	110V/60Hz, 400W	220V/50Hz,	110V/60Hz, 400W	220V/50Hz,	110V/60Hz, 400W	220V/50Hz,	110V/60Hz, 400W	220V/50Hz,
Catalogue No.	6801500501	6801500502	6801501001	6801501002	6801501501	6801501502	6801502001	6801502001

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