

Moisture Balance BM-3100



Description

Moisture Balance BM-3100 measures 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 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.

Technical:

Model	BM-3100	BM-3200	BM-3300	BM-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,, 400W	110V/60Hz, 400W	220V/50Hz,, 400W	110V/60Hz, 400W	220V/50Hz,, 400W	110V/60Hz, 400W		220V/50Hz,, 400W
Catalogue No.	6801500501	6801500502	6801501001	6801501002	6801501501	6801501502		6801502001	6801502001
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Shipping:	2 - 3 weeks Delivery.
pan_dimension:	100 mm
calibration:	-
reproducibility:	-
resolution:	1 mg
capacity:	110 g
model:	BM-3100

Iris Analytical Ltd.

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