

Moisture Balance BM-1100



Description

Moisture Balance BM-1100 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 LCD 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 up to about 110 g with readability 5 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-1100	BM-1200	BM-1300
Capacity	110 g		
Moisture Range	0.00 to 100 %		
Operating Temperature	5 to 35?		
Temperature Range	40 to 199?		
Dry Residual	100 to 0.00 %		
Resolution	5 mg	2 mg	1 mg
Moisture Readability	0.10%	0.04%	0.01%
Dry Residual Readability	0.10%	0.04%	0.01%
Heat Source	1-Halogen Lamp		
Pan Dimension	90 mm diameter		
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	15		
Certification	CE certified		
Time Range	1 to 99 min by 1 sec step		
Power Consumption	400 W		
Dimension	490×360×350 mm		

Weight	7.5 kg					
Electrical Requirement of Balance	115V/50Hz	220V/50Hz,	115V/50Hz	220V/50Hz,	115V/50Hz	220V/50Hz,
Catalogue No.	6801400501	6801400502	6801401001	6801401002	6801401501	6801401502

Shipping:	2 - 3 weeks Delivery.
pan_dimension:	90 mm
calibration:	-
reproducibility:	-
resolution:	5 mg
capacity:	110 g
model:	BM-1100

Iris Analytical Ltd.

66 W Flagler St #900
Miami, Florida 33130
United States