

OHAUS
MOISTURE ANALYZER SERIES



MB23/MB25



MB90/MB120

The MB Series Moisture Analyzers combine high quality and durable construction into sleek, compact designs. The MB Series offer dependable, accurate results for a wide variety of applications.

Designed to quickly, effectively and affordably measure moisture content by incorporating a halogen heating element or an infrared coil in the case of the MB23, with precision weighing to give a fast and accurate moisture content determination. Temperature calibration is easy with the optional calibration kit. They are ideal for the pharmaceutical, chemical and food industries and are designed for continuous operation. Manufactured to ISO 9001 specifications.

The process of performing a test with the MB Series Moisture Analyzers is by placing a representative sample in the tray of the

analyzer, weighing this sample before drying the moisture out of the sample, then reweighing the sample after you have dried as much moisture out of the sample before volatile oils are lost or the sample burns. The difference in weight from before and after the test is completed is your moisture percentage.

The MB120 is the standard in high performance moisture content determination. This model has a sample capacity of 120g with a readability of 0.001 gram, multi-language display text (English, Spanish, French, Italian and German), an integrated database to store up to 50 drying procedures and four selectable automatic drying programs for easy one step drying. Simply recall the test from memory and begin. Operating temperature range from 40°–230°C in 1° increments.

The MB90 has a sample capacity of 90g, with a readability of 0.001 gram, intuitive software that establishes a simple user interface with simple 3 key navigation; just enter the time, temperature and begin the test. The MB90 operating temperature range is 40°–200°C in 5° increments.

The Ohaus MB23 and MB27 Moisture Analyzers combine high quality durable construction and easy one button setup, making them ideal for operators of all skill levels. With a large backlit LCD crystal display, standard RS232 port, readabilities from 0.1%–0.05% and a choice of halogen on the MB27 or infrared heating on the MB23. These models offer flexibility for any budget (Models are CE, UL listed, CSA and FCC approved). Models **MB120, MB90, and MB27**: Net wt: 15 lbs, Ship wt: 19 lbs, Ship dims: 21" (L) x 16" (W) x 19" (H). Model **MB23**: Net wt: 7 lbs, Ship wt: 11 lbs, Ship dims: 20" (L) x 15" (W) x 16" (H).

Model	No. MB23	No. MB27	No. MB90	No. MB120
Readability	10mg/0.1%	1mg/0.01%	1mg/0.01%	1mg/0.01%
Capacity (g)	110	90	90	120
Heating Element	Metal (IR)	Halogen	Halogen	Halogen
Measurement Temperature (°C)	50–160	50–160	40–200	40–230
Drying Profiles/ Heating Programs	Standard	Standard	Standard, fast	Standard , fast, ramp, step
Shutoff Criteria	Manual, Timed or Auto (A60)	Manual, Timed or Auto (A60)	Manual, Timed or Auto (A60)	Manual, Timed, Auto (A30, A60, A90), AutoFree mg/s, or AutoFree %/s
Displayed Results	% Moisture (% MC), % Solids (% DC), weight (g)	% Moisture (% MC), % Solids (% DC), weight (g)	% Moisture (% MC), % Solids (% DC), weight (g)	% Moisture (% MC), % Solids (% DC), % Regain (% RG), weight (g)
Method Storage	1	1	2	100
Display	Backlit Segment	Backlit Segment	4.3' QVGA color, touch screen	4.3' QVGA color, touch screen
Languages	1	1	13	13
Interface	RS232	RS232	RS232, USB hostx2, USB device	RS232, 2 USB hostx2, USB device

$%RG = (Weight\ Loss) / Final\ Weight * 100$

MB Series Moisture Analyzers

- Digital Moisture Analyzer, 120V, 50/60Hz.....**No. MB120**
- Digital Moisture Analyzer, 220V, 50/60Hz..... **No. MB120/A**
- Digital Moisture Analyzer, 120V, 50/60Hz.....**No. MB90**
- Digital Moisture Analyzer, 240V, 50/60Hz.....**No. MB90/A**
- Digital Moisture Analyzer, 220V, 50/60Hz.....**No. MB27/A**

Accessories

- Digital Moisture Analyzer, 220V, 50/60Hz.....**No. MB23/A**
- Temperature Calibration Kit **No. 11113857**
- Disposable Sample Pans, Qty. 50..... **No. 80850086**
- Reusable Sample Pans, Qty. 3 **No. 80850088**
- Pads, Glass Fiber, Qty. 200 **No. 80850087**