



Model MB23 and MB25

Basic Moisture Analyzers



Speed, Simplicity and Affordability

The new OHAUS MB23 and MB25 Basic Moisture Analyzers combine high quality and durable construction into a sleek, compact design. The MB23 and MB25 offer dependable, accurate, results for a wide variety of applications.

Standard Features Include:

- **Flexible Performance** – The OHAUS MB23 and MB25 provide accurate results at either 0.1% or 0.05% readability. And with your choice of infrared or halogen heating, they are ideal for textiles, wastewater, ceramics, food and other applications that require IR heating elements and measurements to 0.1% or 0.05%.
- **Simple to Operate** – Set up and operation is extremely easy. Just press and hold the temperature or time buttons to set drying parameters, add your sample and begin the test process. This makes the MB23 and MB25 ideal for routine tasks performed by operators of all skill levels.
- **Compact, Easy-to-Clean Design** – The compact footprint (17 x 13 x 28 cm) of the OHAUS MB23 and MB25 is designed to take up less space. Their easy-to-clean heating chamber is ideal for frequent use and inexpensive maintenance.

MB23 and MB25 Basic Moisture Analyzers

Specifications

Model	MB23	MB25
Capacity	110g	
Repeatability (Std Dev) (g)	0.3% (3g sample) 0.2% (10g sample)	0.2% (3g sample) 0.05% (10g sample)
Readability	0.1% / 0.01g	
Sample Size	3g to 20g typical, 0.5g min.	
Interface	Bidirectional RS-232	
Timer	1 - 99 minutes, 30-second increments to 60 minutes	
Heating Technology	Infrared (no glass)	Halogen
Temperature Range	50°C to 160°C in 5° increments	
Power	100 to 240 VAC, 50/60 Hz	
Tare Range	To capacity by subtraction	
Operating Temperature Range	5° to 40°C	
Display Type	Custom backlit LCD	
Displays	% moisture or % solids or weight (g), temperature, time	
Pan Size (Diameter)	90 mm	
Dimensions (W x H x D)	17 x 13 x 28 cm	
Net Weight	2.3 kg	
Shipping Weight	3.9 kg	

Included Accessories

Sample Pans (Quantity 50)	Standard	
In Use Cover	Standard	
Sample Pan Handler	Optional (PN 11113873)	Standard

Models are CE, CSA/UL and FCC approved

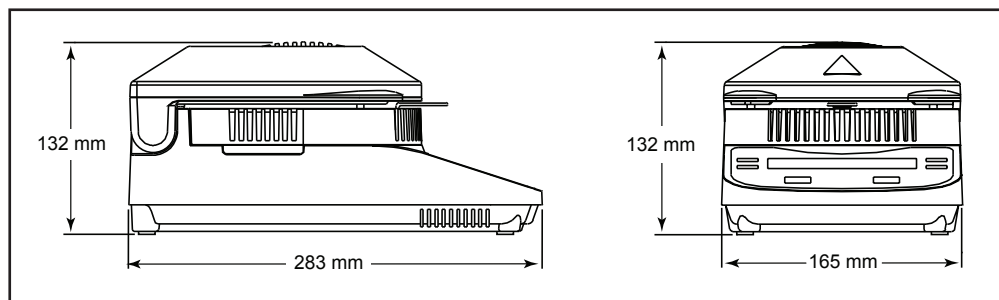


With its small footprint, the OHAUS MB23 and MB25 are compact enough to fit on any benchtop



The OHAUS MB23 comes with an infrared heating element, while the MB25 uses halogen technology

Outline Dimensions



Options and Accessories

	Ohaus Number
Security Locking Cable	80850000
Security Lock (Kensington® type)	80850043
Temperature Calibration Kit	11113857
50g M1 Calibration Weight	11117146
Sample Pans (80/Box)	80850086
Pads, Glass Fiber (200/Box)	80850087
Reusable Sample Pans (3/pk).....	80850088
STP103 Thermal Printer EU.....	80251993
STP103 Thermal Printer UK.....	80251994
CBM910 Impact Printer EU.....	80252043
SRP275 Impact Printer UK.....	80251989
Cable, STP103	80252581
Cable, CBM910	80252571
Cable, SRP275.....	21253677
Collect Software.....	80500746

Industry Leading Quality and Support

All OHAUS MB Series Moisture Analyzers are manufactured under an ISO 9001:2000 Registered Quality Management System. Our rugged construction and stringent quality control have been hallmarks of all OHAUS products for over a century.

*ISO 9001:2000
Registered Quality Management System

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MB35



MB45

MB Series

Moisture Analysers

From basic to advanced, the Ohaus MB Series of moisture analysers offer superior performance and great value.

Standard features include:

- Fast halogen heating element provides uniform infrared heating and durability for extended use
- Superior analytical weighing performance with readability up to 0.001 g, 0.01% moisture
- Powerful software for simple operation
- Compact size, suitable for in-process testing and uses minimum space requirements in laboratory applications
- Large backlit 128 x 64 pixel LCD display for easy viewing
- GLP compliant format when printed results are required
- Standard RS232 port for easy communication with printer or computer
- Multi-language display text (English, Spanish, French, Italian, German)

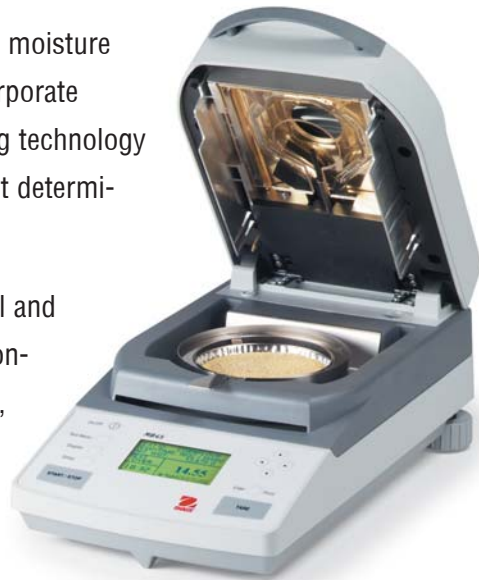
MB Series Moisture Analysers

Ohaus, the leader in value priced reliable compact moisture analysers.

Designed to quickly, effectively and affordably measure moisture content, the Ohaus MB Series Moisture Analysers incorporate state-of-the-art halogen heating with precision weighing technology to give a fast and accurate method for moisture content determination.

Perfect for applications in the pharmaceutical, chemical and research industries; versatile and rugged enough for continuous operation in food and beverage, quality control, environmental and many other applications. The MB Series Moisture Analysers feature excellent repeatability properties for consistent accuracy during testing.

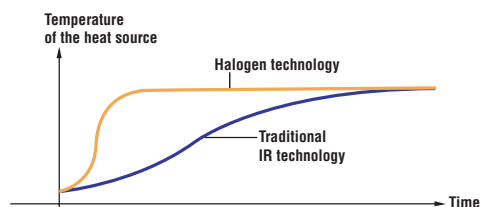
The MB Series is manufactured to ISO 9001 quality assurance specifications, for traditional Ohaus quality.



Heating at Light Speed

Infrared halogen heating technology begins the sample drying process in seconds. The uniquely designed gold reflective interior test area creates uniform distribution of heat to increase performance while decreasing test time.

- Precision Heating – temperature settings are incrementally controlled by the software for test accuracy
- Lighting Startup – test area reaches full temperature in less than 1 minute
- Rapid Results – infrared halogen heating performs up to 40% faster than traditional infrared methods
- Easy Temperature Calibration with optional kit

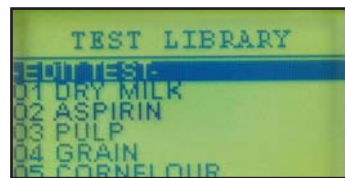


Ohaus MB45. The Advanced Moisture Analyser.

For Maximum Value, the MB45 is the standard in high performance moisture content determination. The MB45 features a sample capacity of 45 g, with a readability of 0.001 g and repeatability to 0.015 % (using 10 g sample). An integrated database stores up to 50 drying procedures for maximizing productivity, simply recall the test from memory and begin.



Display shows % moisture, % solids, weight, time, temperature, drying curve and more.



Test Library to Store, Edit and Run Tests

- Four selectable automatic drying programs allow for easy one step drying, simply set the temperature and time, and begin
- Four enhanced heating options
- Statistical function for simple tracking and recording of standard deviation over time. The MB45 does all the calculations and provides the end result. Great for Quality Control and Assurance applications
- Operating temperature range from 50° to 200 °C in 1° increments

- Powerful – program and recall up to 50 drying procedures.
- Easy – once programmed, simply select and run test.
- Flexible – allows simple test editing to find best results.

Optimum Performance

Unique Auto Shut-Off Options

- Choice of three preprogrammed end points for automatic test completion.
- Custom design your own test end point criteria.
- Timed tests with audible signal when finished.

Enhanced Heating Options

- Fast – for quickest possible time to temperature.
- Standard – for minimal overshoot while achieving temperatures quickly.
- Ramp – for controlled ramping to temperatures.
- Step – set three temperatures for difficult samples.

Ohaus MB35. The Basic Moisture Analyser.

The MB35 is the basic model for moisture determination, leading the industry in performance/value. The MB35 features a maximum sample capacity of 35 g, with a readability of 0.001 g and repeatability to 0.03 % (10 g sample).

- Intuitive software
- Simple 3 key navigation
- Straightforward one step testing procedure
- LCD display shows % moisture, actual weight, actual temperature and test time
- Operating temperature range from 50 to 160 °C in 5° increments



MB Series Moisture Analysers

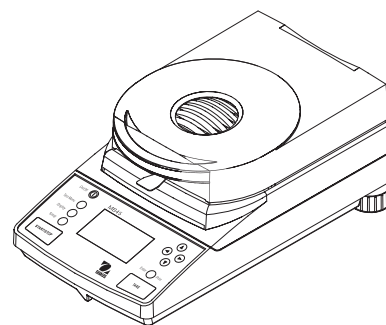
MB Series Specifications

Capacity (g)	45	35
Readability (g)	0.01%/0.001g	0.01%/0.001g
Repeatability (Std Dev) (g)	0.05% (3 g sample) 0.015% (10 g sample)	0.10% (3 g sample) 0.03% (10 g sample)
Moisture range	0.01% to 100% (0.01% to 1000% for regain mode)	0.01% to 100%
Output	Bidirectional RS-232	
Timer	1–120 minutes in 10-second increments	1–120 minutes 30-second increments to 60 min. 1 min. increments from 60–120 min.
Heater type	Halogen	
Temp range	50° to 200 °C in 1°C increments	50° to 160 °C (5 °C increments)
Power	100–120 VAC, 50/60 Hz or 220–240 VAC, 50/60 Hz	
Tare range	To capacity by subtraction	
Operating temperature range	10° to 40 °C	
Display type	128 x 64 pixel graphical backlit LCD display	
Displays	% moisture, % solids, time, temperature, weight, test ID, and drying curve	% moisture, time, temperature, weight
Pan size (cm)	9	
Dimensions (WxHxD) (cm)	19 x 15 x 35	
Net wt. (kg)	4.6	
Shipping wt. (kg)	6.4	
Item Number	MB45	MB35

Models are CE, UL listed, CSA approved and FCC approved

Optional Accessories

Description	Item Number
Temperature calibration kit	11113857
Pads, glass fiber, qty 100	80850087
Sample pans, qty 80	80850086
Reusable sample pans, qty 3	80850088
Cover, in-use MB35 and MB45	80850085
Cable, 9 pin serial extension	00410024
Cable, printer MB35 and MB45	21253677
Cable, security	80850043
20 g, ASTM class 1 calibration weight	80780022
Impact printer SF42-EU, 42 column / EU cable	12101507
Impact printer SF42-GB, 42 column / UK cable	12101508
Sample pan handler	11113873





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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

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