

Moisture analysers, MB series



Rugged compact instruments for moisture determination of raw materials and finished products in the food, cosmetics, dairy, pharmaceutical, chemical and ceramics industries.



- Choice of models to meet user-requirements of capacity and precision
- Halogen-infrared heat source
- Double-case design to protect the weighing unit from irradiated heat
- PT100 temperature sensor ensures process repeatability
- Time and date information is available with printed output

MB series with optional Tablet System (611-8683)

MB 64M: Features an electromagnetic force restoration weighing system with drying resolution of 0,001%

MB 163L: Features a high resolution load cell weighing system

MB series moisture analysers can be connected to a tablet via Bluetooth® and tablet to Bluetooth® printer. The optional 7 inch tablet has been designed specifically for moisture analysis and features the following:

- Multi-touch, with Android operating system
- Selection of temperature profile (ramp, fast, steps, standard)
- See live, real time graph of drying process
- Store data and then export the information through local area network (LAN) or Internet (Wi-Fi)
- Create up to 10 different user profiles
- Multi-language, customisable settings

Ordering information: The internal thermometer can be calibrated using the optional calibration kit.

Model	MB 64M	MB 163L
Heater type	Halogen-infrared lamp	
Capacity (g)	60	160
Pan size (Ø mm)	100	
Moisture range (%)	0 - 100	
Moisture resolution (%)	0,001	0,01
Readability (%) / (mg)	0,1 mg	1 mg
Repeatability (Std. Dev. %)	±0,18% (~2g sample)	±0,20% (~2g sample)
Temperature range (°C)	35...160	
Temperature programs	Standard	
Program memory	5	
Timer	1 - 99 min (1 min intervals)	
Endpoint/analysis mode	Manual, time, autostop %	
Displayed results	Moisture %, dry residual %, ATRO, temperature, remaining time (only when in time mode)	
Display	LCD, backlit	
Data printed	Temperature, time, initial weight, final weight, moisture content, (date and time if using 630-1485 printer)	
WxDxH (mm)	215x345x235	
Weight	6,1 kg	4,7 kg



Description	Pk	Cat. No.
MB 64M		
Moisture analyser MB 64M	1	611-3233
Moisture analyser MB 64M, with certificate	1	611-3293
MB 163L		
Moisture analyser MB 163L	1	611-2318
Moisture analyser MB 163L, with certificate	1	611-3295

Description	Pk	Cat. No.
Accessories		
Reusable sample dishes are essential for use with moisture analysers	80	611-2788
Disposable glass fibre discs are used in conjunction with the test dish (611-2788) when analysing liquids and semi-solid samples. These ensure accurate results when testing samples that contain large amounts of liquid, facilitate better heat distribution throughout the sample and prevent liquid splashing during the sample drying process	200	611-3715
Temperature calibration kit for VWR moisture analysers	1	611-3248
7 inch Tablet System for VWR balances and moisture analysers including Tab-Box connecting interface, Bluetooth® interface, Bluetooth® dongle for instrument applications and tilting support	1	611-8683
Thermal printer TLP-50 for VWR LA, LP, SM balances and MB moisture analysers, EU-plug + UK-plug	1	630-1485
Paper roll for thermal printer (630-1485)	1	630-1488
Printer DPP-250 with Bluetooth® interface for Tablet System	1	611-2793
Paper roll for DPP-250 printer (611-2793), 1 roll	1	611-2795