Ray Ran

Basic Moisture Analysers MB23 and MB25

Speed and Simplicity with Affordability

The **MB23** and **MB25 Basic Moisture Analysers** combine a high quality and durable ABS construction into a sleek, compact design and offer dependable, accurate results to quickly, effectively and affordably measure moisture content for a wide variety of applications.

INDUSTRIAL PHYSICS

Protecting Product Integrity

Accurate results are provided on the custom-built backlit LCD screen at either 0.01g or 0.005g readability depending on the model and come with heating elements of either infrared in the MB23 or halogen in the MB25 for moisture determination between 50˚C and 160˚C. Each Moisture Analyser is ideal for textiles, wastewater, ceramics, food, and other applications.

Setup and operation are extremely easy. Simply press and hold the temperature or time buttons to set manual, automatic or timed duration drying parameters, add your sample and begin the test process. Results are displayed on the LCD at the end of the test as % moisture or % solids or weight (g), temperature and time and can be printed to an optional thermal printer via the onboard RS232 serial interface connection. This makes the MB23 and MB25 ideal for routine Quality Control tasks performed by operators of all skill levels.

Both the MB23 and MB25 Moisture Analysers have a compact footprint of only 17 x 13 x 18cm and have both been designed to take up less space and their easy to clean heating chamber is operator friendly for routine, inexpensive maintenance. Both the MB23 and MB25 come with a 90mm diameter sample pan and have a 110g weighing capacity.

Technical Specification

MB23

- **MB23 Repeatability (Std Dev) (g) 0.3% for 3g sample/ 0.2% for 10g sample**
- **MB23 Readability 0.1% / 0.01g**
- **MB23 Infrared Heating**

MB25

- **MB25 Repeatability (Std Dev) (g) 0.2% for 3g sample/ 0.05% for 10g sample**
- **MB25 Readability 0.05% / 0.005g**
- **MB25 Halogen Heating**

Standard on both

- **Weighing Capacity 110g**
- **Sample size 3g to 20g typical, 0.5g minimum**
- **RS232 Interface**
- **Timer 1 – 99 minutes, 30 second increments to 60 minutes**
- **Temperature range 50˚C – 160˚C in 5˚C increments**
- **Electrical characteristics 100 – 240VAC, 50/60Hz**
- **LCD backlit display**
- **50 extra sample pans included as standard**
- **CE, CSA/UL and FCC approved**
- **Sample Pan Handler (not supplied with MB23)**

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Optional Ancillaries

- Security Locking Cable
- Security Lock
- Temperature Calibration Kit
- 50g M1 Calibration Weight
- Sample Pans (80/Box)
- Glass Fibre Pads (200/Box)
- Reusable Sample Pan (3/Box)
- Sample Pan Handler (MB23 only)
- Thermal Printer EU
- Thermal Printer UK
- Cable
- Software

Weights & Dimensions: Model MB25

Net Weight (kg)	2.3
Width (cm)	17
Depth (cm)	28
Height (cm)	13

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