

MB45 ADVANCED MOISTURE ANALYSER

The **MB45** Advanced Moisture analyser sets the standards in **high performance** moisture content determination and is the most advanced of all the moisture determination equipment offered by Ray-Ran.

The MB45 features a maximum sample capacity of 45g with a readability of 0.001g and repeatability to 0.015% (10g sample). It is supplied as standard with Infrared halogen heating technology which begins the sample drying process in seconds. An operating temperature range from 50° to 200°C in 1°C increments is achieved rapidly and the uniquely designed gold reflective interior test area creates a uniform distribution of heat to increase performance while decreasing test time.

The Intuitive software features an integrated database which stores up to 50 drying procedures for maximizing productivity, simply recall the test from memory and begin. Accurate results are displayed on the large 128 x 64 pixel backlit LCD screen at the end of the test as % moisture, % solids, time, temperature, weight, test I/D, and drying curve and can be printed to an optional thermal printer via the onboard RS232



serial interface or connected to a PC for use with optional dedicated software

OTHER FEATURES INCLUDE

Four selectable automatic drying programs, four enhanced heating options and Statistical function for simple tracking and recording of standard deviation over time.

For Optimum Performance the MB45 also features

Unique Auto Shut-Off Options

The MB45 lets you choose from three pre-programmed end points for automatic test completion, custom design your own test end point criteria or select timed tests with audible signal when finished.

Enhanced Heating Option

Choose from four pre-programmed heating options including: **Fast** – for quickest possible time to temperature; **Standard** – for minimal overshoot while achieving temperatures quickly; **Ramp** – for controlled ramping to temperatures and **Step** – set three temperatures for difficult samples.

TECHNICAL SPECIFICATION

- Weighing Capacity 45g
- Repeatability (Std Dev) (g) 0.05% for 3g sample/ 0.015% for 10g sample
- Readability 0.01% / 0.001g
- Moisture Range 0.01% - 100% (0.01% - 1000% for regain mode)
- RS232 Interface
- Timer 1 – 120 minutes in 10 second increments
- Infrared Halogen Heating
- Temperature range 50°C – 200°C in 1°C increments
- Electrical characteristics 100 – 120 VAC, 50/60 Hz or 220 – 240 VAC, 50/60 Hz
- LCD backlit display 128 x 64 pixel.
- Displays % moisture, % solids, time, temperature, weight, test I/D, and drying curve.
- 1 off re-usable Stainless Steel sample pan included as standard
- CE, CSA/UL and FCC approved

OPTIONAL ANCILLARIES

- Sample Pan Handler
- Security Cable
- Temperature Calibration Kit
- 20g ASTM Class 1 Calibration Weight
- Sample Pans (80/Box)
- Glass Fibre Pads (100/Box)
- Reusable Sample Pan (3/Box)
- Printer SF42-EU
- Printer SF42-GB
- Printer Cable
- Computer Software

WEIGHTS & DIMENSIONS: MODEL MB45

Net Weight (kg)	4.6
Width (cm)	19
Depth (cm)	35
Height (cm)	15