

PMB Moisture Analyzer



Adam Equipment's PMB moisture balances set a new standard for data communication making recording results faster and easier. Use the USB interface and connect a memory stick to download the results as they are taken and store them for future analysis, no need for additional software to take readings from the balance giving the user total freedom to collect data on a production floor or in the field.

The PMB's fast response time and easy-to-use functionality make it the ideal moisture analyzer for a range of different applications. The automatic test setting function lets you quickly run multiple tests without additional user input and the built-in memories let you store that data future reference. The PMB offers smart features that have been developed to give you the ultimate performance for moisture analysis.

With over 35 years of experience in the production of weighing instruments you can trust Adam for quality products that offer a range of features designed for a variety of applications.



ADAM[®]
PERFECT BALANCE
Speed, Performance, Value

PMB Highlights:

Navigating the built in applications is easy with the intuitively designed keypad. Access to the main functions is quick and a special lock out feature allows the supervisor to set up access to all or certain functions so users do not inadvertently change the settings. The color coded keypad highlights the tare and start keys for easy recognition.

Multiple communications options let you pick the right interface for your needs. USB and RS-232 both included as standard. Supports USB flash drive with automatic record keeping function to save each test result.

Store a range of procedures for different products that can be recalled at a touch of a button, to make setup and changing from one product to another simple.

The PMB takes the hassle out of moisture analysis for fast and accurate results.

Features

- USB host for memory card and USB I/O interface
- RS-232 interface
- Built-in memories for storing products and settings
- 3 settings for heating sample, ramp up, step and standard
- Soft close door to protect heating element
- Automatic test start setting for when the lid is closed
- Pan lifter to easily remove samples
- Large backlit display with dual text prompts
- Security locking slot for kensington™ type lock and cable
- ShockProtect™ overload protection

Technical Specifications

Model	PMB 53	PMB 202
Capacity	50g	200g
Readability	0.001g / 0.01%	0.01g / 0.05%
Repeatability (S.D.)*	0.005g / 0.05% (10g sample)	0.02g / 0.2% (10g sample)
Pan Size	90mm ø / 3.5" ø	
Temperature Range	50°C to 160°C in 1°C intervals	
Analysis Time	Max 99 minutes	
Program Timing	Manual shut off, Timed, Auto, Timed/Auto	
Weighing Units	g (grams), % M (percent moisture), % S (percent solids), ATRO % M (percent moisture / dry bases) ATRO % S (percent solids / dry bases)	
Languages	English, German, French, Spanish	
Stabilization Time	2-3 secs	
Interface	USB Host, USB I/O, RS-232	
Internal Memory	Up to 99 test results 49 Programmable user settings for configuration	
External Memory	External memory available with USB drive for additional configurations and to store test results	
Calibration	External	
Heating Element	Single 400W halogen heater	
Heating Options	Standard (one step) Step - up to 3 temp setting Ramp	
Display	Backlit LCD display with dual digits and capacity tracker, 1" / 24mm high digits	
Power Supply	Power cord, factory set for 110v or 220v 50/60hz	
Operating Temperature	32° -104°F / 0° - 40°C	
Overall Dimensions	14" x 9.8" x 7.3" / 360 x 250 x 185mm (LxWxH)	
Net Weight	13lb / 6kg	

*Repeatability specifications percentage based upon 10g sample size.



Accessories

- Kenisngton® type lock and cable
- RS-232 cable
- USB cable
- USB Memory stick
- AdamDU Data collection software
- Adam printer
- Printer paper



Speed, Performance, Value - The Right Balance

- Zero adjust facility to enable zero reading
- Built-in memories for storing products and settings
- 3 settings for heating sample fast ramp up, step and standard
- Automatic test start setting for when the lid is closed
- Date and time
- Zero Tracking
- Full range tare
- Quick and easy to configure through the keypad
- Multilingual display
- Large backlit display with dual text prompts
- Capacity tracker
- Security bracket
- Non-slip adjustable levelling feet
- Colour coded, sealed keypad
- Large stainless steel pan
- Lock down mounting slot for Kensington® type lock and cable
- Overload protection
- Splashproof to protect from accidental spills
- Spirit Level
- RS-232 and USB interface
- GLP print outs
- Calibration facilities for temperature and weight
- Mains Power Cord
- Pan lifter to easily remove samples
- Moisture determination
- Weighing



Technical Specifications

Model	PMB 53	PMB 202
Maximum capacity	50g	200g
Readability	0.001g /0.01%	0.01g /0.05%
Linearity (±)	0.002g	0.02g
Pan size	100mm & Oslash;	

General Specifications

Typical stabilisation time	3 Sec
Units of measurement	Gram (g), % Moisture / % Solid
Interface	USB host for memory card and USB I/O interface and RS-232
Operating temperature	0°C - 40°C
Calibration	Automatic External
Display	Backlit LCD display 24mm with dual digits and capacity tracker
Housing	Aluminium
Overall dimensions (wxdxh)	250 x 360 x 185mm
Height above pan	30mm
Net weight	6kg
Drying temperature range	50-160°C increments of 1°C
Time setting	1 min - 99 mins
Moisture range	0-100%
Heater type	Single 400W halogen heater
Sampling interval time	1 - 59 seconds
Typical time of measurement	2 - 20 minutes
Power of heaters	400w

Key Accessories

- USB Cable
- Security Lock and Cable
- RS-232 to PC Cable
- Adam DU - Data Collection Program
- In-use Cover
- Temperature Calibration Kit
- F1 200g Calibration Weight for PMB 202
- F1 50g Calibration Weight for PMB 53
- ATP Thermal Printer
- Thermal Paper for ATP



Adam Equipment - offices worldwide

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