



aczel®

... Since 1986

The Uncompromising Halogen Moisture Analyzer

Precision in Moisture Analysis



Solution Simplified

www.aczel.com

Moisture is everything that evaporates upon heating



Fast and Accurate Results

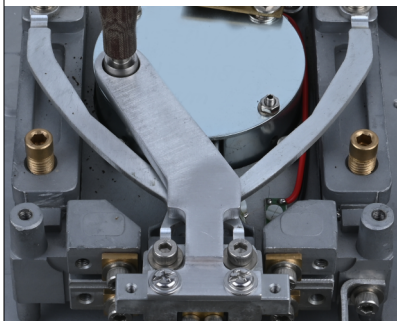
The MB series Halogen moisture analyzer is a user-friendly device that simplifies the moisture analysis process. User Guidance, Progress Indicator and a simple 3-step process for accurate readings.

Ultra Fast and Uniform Heating



- Unique designed hexagonal halogen Lamp.
- Ensure rapid heating, shorten measurement time.
- Well engineered heating chamber.
- Temperature range of 30°C to 175°C, with an optional 250°C available.

Reliable and Precise Results



- Weighing Sensor based on Electromagnetic Force Compensation Technology.
- Overload protection
- Assured of great performance for many years to come.

Effortless Cleaning



- Effortless Cleaning easily dismantled and assembled, making it really convenient to keep the balance clean and tidy.

A clever solution with extensive data storage and statistics

Efficient Communication



- Standard USB and RS232, PS/2 interface
- Windows direct communication to MS-Excel or any other windows applications.

Seamless Process



- Thanks to PS/2 Interface used for connecting keyboard very easy to define user-specific text for each sample.
- Reliable and efficient typing experience.

ISO/GLP & User Define compliance Print

ABC PHARMA CO. LAB UNIT 3	
26/04/2023	3:00PM
Model no.	MB 200
Serial no.	M2120057
Ver. no.	1.1.3.25
User ID	MAUSAM

Method 19:	NACL
PRODUCTION LINE AFTER FILTERATION	
Start of analysis:	
Automatic	NO
Stability	YES
Delay	YES
Heating	STANDARD
Temp	110°C
Sw-off	MANUAL
Stndby	OFF
Compile	OFF
Init. wt.	+3.918g

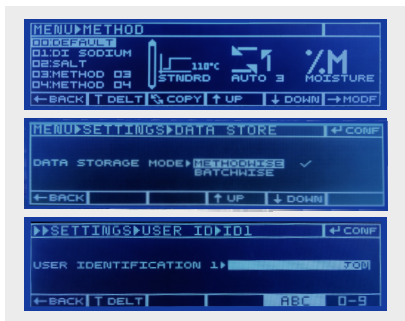
00:00:30hrs +	0.078 %M
00:01:00hrs +	0.098 %M
00:01:30hrs +	0.102 %M
00:02:00hrs +	0.159 %M
00:02:30hrs +	0.178 %M

Fn1. wt.	+3.911 g
00:07:30hrs +	0.178 %M

Last wt. cal 26/04/2023	
Last temp cal 31/01/2023	
Name:	

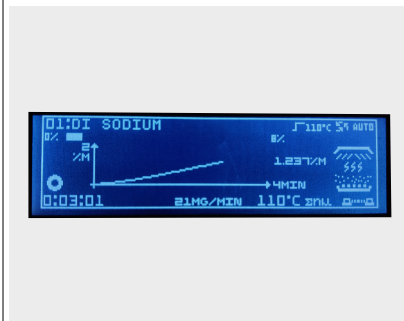
26/04/2023	03:07PM

Data Management



- 4 user ID makes it customized.
- The user can create 40 methods and 25 results stored in each method.
- Batch wise storage allows users to create 100 batches & store maximum 1000 data.

Graph



- Thanks to graphical display, user can view auto updating graph of the drying process with the change in the moisture level.

- Built-in real time clock make sure that the data are true reflection of the test results & is traceable document in compliance to SOP's and GLP regulation.
- User-defined print options can ensure that all necessary information is clearly documented for regulatory purposes.
- User can print statistics for the last 1000 measurements based on each Method or Batch.

Graphical Display



- Bright Graphical LED backlit LCD display and large numbers.
- LCD glass with higher contrast and wider viewing angle.
- Intuitive interface

Various Heating Profile

Standard	
Gentle	
Steps	
Rapid	
High	

- A range of temperature settings ensures precise and consistent results every time.
- It is a great choice for drying process and achieving reliable outcomes.

Various Switch off Criteria

Auto	
Manual	
Time-defined	
User Def Weight / Time	
User Def % U / Time	
Intelligent	

- Choose from different analysis criteria such as Auto, Manual, Time, User Def Weight/Time, User Def % unit/time, and Intelligent for accurate and reliable results.

Technical Data

MB Series	MB 50	MB 200	MB 54
Max. Capacity	50 g	200 g	50 g
Readability	0.001 g	0.001 g	0.1 mg
Moisture Content Readability	0.001%	0.001%	0.0001%
Repeatability (Std Dev) initial sample weight = 2g	0.1%	0.1%	0.05%
Repeatability (Std Dev)for initial sample weight = 10g	0.03%	0.03%	0.02%
Statistics	Method wise for each individual 40 methods or Batch wise for each individual 100 batches for last 1000 results		
Data Storage	Last 1000 Moisture Determination results Data Storage		
Display units of Measurement	%M, %D, %R (ratio), gm/lt. (g/l), %M ATRO, %D ATRO		
Pan Size	Ø 100 mm		
Display	Graphical Alpha Numeric LED Backlit LCD Display		
Heating Source	Halogen		
Temperature range	30°C to 175°C (*Optional 250°C)		
Temperature increment	1°C		
Heating Profile	Standard, Gentle, Rapid, Steps, High Temperature		
Switch off Criteria	Auto, Manual, Time, User Def Weight /time, User Def % unit/time, Intelligent		
User Support			
Auto Method Development	Intelligent		
Method Memory	40		
Batches Memory	100		
Method Designation	Alpha Numeric		
Serial Number	Yes		
Data Interface	RS232, USB, PS/2		
Print	GLP / GMP Compliance, User Configurable		
Quality Management			
Test	Weighing and Heater		
Weight in Assist	Yes		
Miscellaneous			
Power Supply	230V/50Hz or 115V/60Hz		
Power Consumption	415 W		
Housing Dimension (W x D x H)	211 x 342 x 180 mm		
Packing Dimension (W x D x H)	330 x 390 x 290 mm		
Weight Approx	5 kg		

The Most Common and Valuable Accessories

Aluminum Sample Pans CMD 40



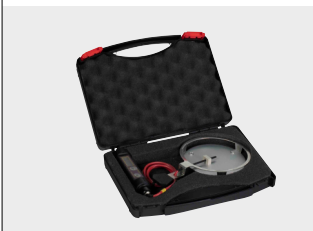
- The pack of 40 pcs single use aluminum sample pans
- Ideal for obtaining optimal moisture results.

Data Printer CPR 02



- Dot Matrix Print
- Easy to connect

Temperature Kit CTK-X 01



- Ensuring the operating temperature of the heating unit and adjust if necessary.
- Quick easy to use

Test Weight E1, E2, F1 Class



- Ensure reliable routine testing and calibration of scales.

INDIA

Aczet Pvt. Ltd.
E-2, Plot No.11, WICEL,
Opp. Seepz, Gate No.1,
Andheri (E), Mumbai 400093
Email : export@aczet.com
sales@aczet.com
Phone : +912242437700

USA

Aczet INC.
Suite No. 233, 30 Knightsbridge Road,
Piscataway, Edison, NJ 08854
Email : infousa@aczet.com
Toll Free : 1800 997 1440

UAE

Aczet Instruments LLC
Old Goldsouq, Diera,
Dubai, U.A.E.
Email : manu.m@aczet.com
Phone : +971 54 4209915

THAILAND

Aczet Thailand Co. Ltd.
1A1, Gr. Floor, BIS Building,
119 Mahesak Road, Suryawong,
Bangrak, Bangkok 10500
Email : utkarsh.p@aczet.com
Phone : +66 920456757

CHINA

Aczet Instruments (Suzhou) Co., Ltd.
China (Jiangsu) Free Trade Experimental Zone,
Suzhou District, Suzhou Industrial Park,
Xinfu Road No. 1, Building 4, South Tower,
3rd Floor, Postal Code : 215000
Email: china@aczet.com
Tel.: + 86 195 7505 4091



For more information

► www.aczet.com