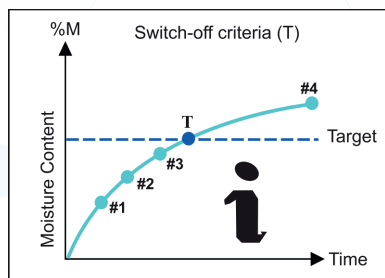


MOISTURE ANALYZER - 50G X 0.001G

REF: MB 50



The Uncompromising Halogen Moisture Analyzer
Loss on Drying (LOD) principle



Reliability

Reliable result depend on correct methodology. Select the **Intelligent** function, key in the reference value and maximum time. The MB swiftly calculates appropriate switch-off criteria automatically to match the reference value to the last decimal place. You can save this parameter as method. **Intelligent** efficiently develops your method and saves your time in any area where different products are analyzed for their moisture content. You could never match your reference value with such accuracy.



Ultra Fast and uniform heating

Uniquely designed circular halogen Lamp and reflectors ensures utmost rapid heating, shorten the measurement time. Well engineered heating chamber ensure uniform heating to achieve exact result with exceptional reproducibility.



Brilliant Monotech sensor with analytical precision

The outstanding measurement performance of MB series is based on brilliant analytical weighing Technology MONOTECH, The forth decimal place is not displayed but is measured and used in calculation of highly precise results, gives highest measurement security.

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Compliance & Date Storage

METHODWISE ▶ 01: BABY FOOD	
▶ STATISTICS ▶	LAST RESULT: 672.0 %AM
	LAST TIME: 20.5 MIN
	NO. OF ANALYS. Y: 50
	MEAN: 673.8 %AM
	STD. DEV. σ: 5.2 %AM
← BACK	↑ UP ↓ DOWN

A clever solution with extensive data storage and statistics

Statistics

This can display and print statistics for the last 9999 measurements based on each Method or Batch making this ideal intelligent instrument for R&D and Production both.

Memory of each moisture Determination

This being the most versatile feature of citizen MB series, it stores last 1000 moisture determination, so you can almost recall your work even after months, this make it UNIQUE and DEPENDABLE, no other instrument can offer this.

ISO/GLP compliance print out

It helps identify how, when & who performed the moisture determination. Highly flexible User configurable print format with 4 user id makes it customized yet traceable document in compliance to SOP's and GLP regulation making MB series most acceptable in each industry. Every successful calibration is been tracked and record with incremental numbers also last successful calibration report stored in memory makes it even more flexible and convenient.

MENU ▶ METHODS	
FRESHMO ▶	
← BACK	T DELT
0-9	ABC

Password protection

Password protection prevents the unauthorized access to the stored data & alterations of the parameters thus ensuring its security

Temperature Calibration Report

Model no. MB 200
Serial no. M2120057
Ver. no. 1.1.3.25
User ID MAUSAM
Temp cal count 13
Temp cal date 31/12/2015
Temp cal time 01:59PM

Temperature1 100°C:102°C

Temperature2 200°C:200°C

Temp calibration done

26/04/2016 06:20PM
Name:

ABC PHARMA CO.
LAB UNIT 3

26/04/2016 05:30PM

Model no. MB 200
Serial no. M2120057
Ver. no. 1.1.3.25
User ID MAUSAM

Method 19: NACL
PRODUCTION LINE
AFTER FILTRATION

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
00:02:30hrs + 0.178 %M

Last wt. cal 26/04/2016

Last temp cal 31/12/2015

Name:

26/04/2016 05:32PM

MOISTURE ANALYZER - 50G X 0.001G

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Diversity

DATA STORAGE

This unique feature offers the flexibility to choose the data storage mode as per user application.



MB Series is compact in shape & big in performance. It performs all the major Functions of routine moisture analysis with following features. HACCP, FDA, GLP, GMP compliance & in sewage treatment plants.



Method Wise storage allows the user to store 25 moisture determination results in each method, user can store such 40 methods. Method wise storage is suitable for application in R&D or Quality Assurance where there are more number of different product (samples) to be analyzed.

Batch wise storage allows use to create 100 batches & store maximum 1000 data with no restriction on the data storage per batch. Batch wise storage is suitable for application in production where there are more numbers of samples to be analyzed for the same product.

Multiple Units of measurement results %M, %D, %R (ratio), Gm/Lt, %M Atro, %D Atro make it most convenient for each user.

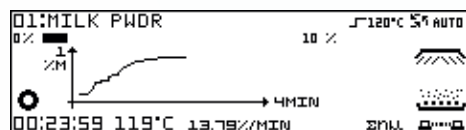
Various heating profile like Standard, Gentle, Rapid, Step & High temperature heating make's it possible to analyze any product sample.

Connectivity

Do you have to note down the measurement of several dozen samples each day? Not any more Thanks to the standard USB, RS 232 and Ethernet interfaces, you can now conveniently transfer your data to your PC or Print it out directly on Citizen Data Printer.

Sample identification is traceable

Graphical display with alpha numeric keypad and PS2 keyboard made use interface very easy for defining use specific text for each sample.



Graph

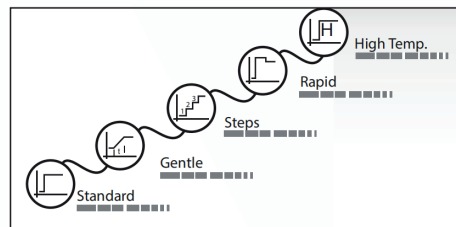
Thanks to graphical display, user can view auto updating graph of the drying process with the change in the moisture level.



Weighing Application

Use a moisture analyzer because they analyze the moisture content a much faster method. Moisture analyzers are used in many industries such as food, chemical, pharmaceutical and plastics. Moisture content determination in food is of particular importance as the moisture content influences the quality and shelf life of a product

Features like **Weight in assist** and **Standby temperature** helps user to improve reproducibility by taking same amount sample weight and similar climatic state for each moisture determination.



Various switch off criteria from Auto, Manual, Timed, User Defined G/T, User Defined %U/T, Intelligent makes it possible to achieve most accurate result.



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Want to Match Reference Value?



Certainly!

Moisture: is everything that evaporates upon heating



Temperature Calibration Kit

ACZET CTK 01 series operates precisely and with the highest accuracy. The control thermometer is intended to checking whether the temperature on the drying chamber complies with the temperature value indicated on moisture analyzer's display.

Functions

- Automatic switch off preventing accidental discharging of batteries.
- "HOLD" function (lock of displayed value).
- Power supply by batteries 3x 1.5V. CE marking.

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MOISTURE ANALYZER - 50G X 0.001G

REF: MB 50

Technical specifications

Parameters	Description
Measurement Value	
Readability	0.001%
Repeatability (sd) for initial sample wt. = 2g	0.1%
Repeatability (sd) for initial sample wt. = 10g	0.03%
Evaluation	
Display units of Measurement	%M, %D, %R (ratio), Gm/Lt, %M Atro, %D Atro
Statistics	Method wise for each individual 40 methods or batch wise for each individual 100 batches for last 9999 results
Data Storage	Last 1000 Moisture Determination results
Weighing Balance	
Max. Sample weight	50 g
Minimum Sample Weight	0.2 g
Readability	0.001 g
Pan Size (Ø mm)	95mm
Drying Unit	
Heating Source	Infra Red 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, User Def Weight / Time, User Def % Unit / Time, Intelligent
User Support	
Auto Method Development	Intelligent
Method Memory	40
Batch Memory	100
Method Designation	Alpha Numeric
Serial Number	Yes
Compile	Yes (Method Linking)
Standby Temperature	30°C to 100°C
Display	Graphical Display with LED backlight
Data Interface	RS 232C Bidirectional, USB Ethernet, PS2
Print	GLP / GMP Compliant, User Configurable
Quality Management	
Test	Weighing and Heater
Weight in Assist	Yes
Password	Method, Setting, Print Format, Data Delet, Calibration, Drying
Miscellaneous	
Power Supply	230V/50Hz or 115V/60Hz
Power Consumption (Watt)	Max 415
Housing Dimension mm	211 (W) x 342 (D) x 178 (H)
Weight Approx	5kg
Packing Dimension mm	325 (W) x 390 (D) x 285 (H)



Optional Temp.
250°C



Aluminium Dish



Temperature Kit



Battery Backup Unit



Statistical Printer



Test Weights