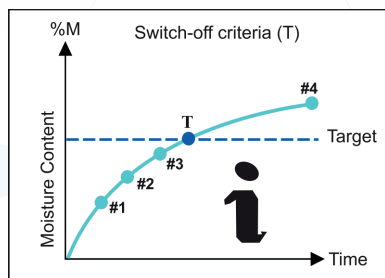


## MOISTURE ANALYZER - 200G X 0.001G

REF: MB 200



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.

 (601) 300 3161 +(57) 316 532 6905

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 [info@quimicompany.com.co](mailto:info@quimicompany.com.co)

## MOISTURE ANALYZER - 200G X 0.001G

REF: MB 200

### Compliance & Date Storage

|                           |                        |
|---------------------------|------------------------|
| ▶▶METHODWISE▶01:BBBY FOOD |                        |
| ▶STATISTICS▶              | LAST RESULT: 672.0 %AM |
|                           | LAST TIME : 20.5 MIN   |
|                           | NO. OF ANALYS. Y: 50   |
|                           | MEAN : 673.6 %AM       |
|                           | STD. DEV. : 5.2 %AM    |
| ←BACK                     | ↑ UP ↓ DOWN            |

|                                                                                     |          |
|-------------------------------------------------------------------------------------|----------|
| MENU▶METHODS                                                                        | COMP     |
|  | PASSWORD |
| METHODS                                                                             |          |
| ←BACK                                                                               | 0-9 ABC  |

### 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.

#### 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:

### Password protection

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

### 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.

|                              |                   |
|------------------------------|-------------------|
| ABC PHARMA CO.<br>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 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          |
| 00:02:30hrs +                | 0.178 %M          |
| Last wt. cal                 | 26/04/2016        |
| Last temp cal                | 31/12/2015        |
| Name:                        |                   |
| 26/04/2016                   | 05:32PM           |

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## MOISTURE ANALYZER - 200G X 0.001G

REF: MB 200

### Diversity

#### DATA STORAGE

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



#### 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.

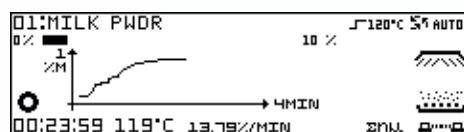
#### Weighing Application

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

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 treat- ment 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.



#### Graph

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

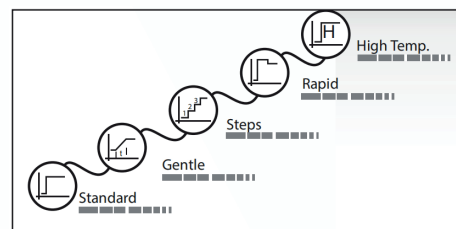


Features like **Weight in assist** and **Standby temperature** helps user to improve reproducibility by taking same amount sample weight and similar climatic state for each moisture determination.

**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.



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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## MOISTURE ANALYZER - 200G X 0.001G

REF: MB 200

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 - 200G X 0.001G

REF: MB 200

### Technical specifications

| Parameters                                      | Description                                                                                                    |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Measurement Value</b>                        |                                                                                                                |
| Readability                                     | 0.001%                                                                                                         |
| Repeatability (sd) for initial sample wt. = 2g  | 0.1%                                                                                                           |
| Repeatability (sd) for initial sample wt. = 10g | 0.03%                                                                                                          |
| <b>Evaluation</b>                               |                                                                                                                |
| 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                                                                       |
| <b>Weighing Balance</b>                         |                                                                                                                |
| Max. Sample weight                              | 200 g                                                                                                          |
| Minimum Sample Weight                           | 0.2 g                                                                                                          |
| Readability                                     | 0.001 g                                                                                                        |
| Pan Size (Ø mm)                                 | 95mm                                                                                                           |
| <b>Drying Unit</b>                              |                                                                                                                |
| 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                                       |
| <b>User Support</b>                             |                                                                                                                |
| 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                                                                         |
| <b>Quality Management</b>                       |                                                                                                                |
| Test                                            | Weighing and Heater                                                                                            |
| Weight in Assist                                | Yes                                                                                                            |
| Password                                        | Method, Setting, Print Format, Data Delet, Calibration, Drying                                                 |
| <b>Miscellaneous</b>                            |                                                                                                                |
| 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