

## The New MA160 Moisture Analyzer Manages Your Sophisticated Tasks



## Fast, Precise and Easy Moisture Analysis

To be able to perform fast and accurate analysis on the widest variety of product samples, you need a reliable instrument that gives you maximum flexibility.

The MA160 uses the thermogravimetric method to determine the moisture content of liquids, pastes and solids – conveniently, reliably and in minimum time. It delivers outstandingly fast, absolutely reproducible results and features an intuitive Method Development Assistant that enables you to develop new methods in just three easy steps. The MA160 gives you the functions you need for professional and secure management of the methods you have created.

High-speed measurements

Reliable Method Development Assistant function

High memory capacity for results and methods

User-friendly operation

Effortless cleaning

Display of the measurement status

Reliable performance testing

Compatibility with Sartorius MA150

MA35 mode

These methods can be stored via an SD card and transferred to other MA160 analyzers. During a measurement, a status light indicates the current progress of a measurement.

At the touch of a button, you can run the built-in performance test with a ReProEasy pad to check the functionality of the MA160 – ensuring flawless performance over the long term.



## Applications

With its enhanced dual heating unit, the MA100 offers high-speed measurements.

The MA100 is ideal for moisture analysis of the widest variety of samples under different conditions. The Development Assistant function enables you to create your own methods for different samples and efficiently manage the moisture measurement process, from method development to process monitoring.

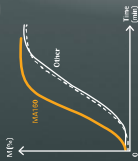
Typical areas of application for the MA100 include moisture analysis of food, chemicals, paper, metals and plastics for environmental protection.



## Features

### High-speed measurements

Both the high-performance dual heating unit and the sample chamber's geometry ensure rapid heating and fast, uniform drying of samples with up to 30% less drying time.



### User-friendly operation

The MA100's intuitive user interface, including a touch screen, and especially our user-friendly menu prompts, for guidance through the measurement process, ensure that you do not have to study the manual first.

### High memory capacity

MA100 features a high memory capacity, letting you store up to 100 different methods and efficiently manage them in a library. In addition, the results of the last 1000 measurements are stored in the data memory, ensuring traceability and compliance documentation at any time.

### Fast and precise development of methods

The MA100's Method Development Assistant function makes the time-consuming and complex process of method development and validation much easier. It enables you to develop new methods quickly in just three simple steps.

### Display of the measurement status

The light indicates the current status of a measurement in progress: "Running", "Standby", "Analysis completed", "STOP", "Analyzer OFF" or "Error".

### Reliable performance (curing)

A built-in PID regulation with the built-in fan ensures that the MA100's moisture analyzer works at a constant moisture analyzer within just a minute. This test guarantees reliable results, saving time and energy by eliminating the need for extensive temperature adjustments.

### Compatibility with Sartorius MA150

The universal compatibility of the analyzer lets you easily use both methods parameters. The additional MMS mode even enables you to run moisture analysis with parameters saved just for the MA150.

### Effortless cleaning

The lattice-lean design lets you easily and thoroughly clean the instrument parts. Additionally, the heating unit and the sample chamber are designed for cleaning in a laboratory washer.

## Technical Specifications

Max. weighing capacity	200 g
Repeatability, typical	Reading at an initial sample weight of approx. 1 g: ±0.02% Steady-state reading at approx. 1 g: ±0.05%
Repeatability	1 mg, 0.01%
Typical sample quantity	3 g ± 0.5 g
Display modes for results	Moisture content in % M and % g   dry weight in % S and g   AFD (label) in % MS
Temperature range and settings	40°C – 200°C, in increments of 1°C Steady temperature settable from 50°C – 200°C
Sample heating	Integrated heating using an AFD heating unit, 600 W
Sample programs	148 pre-programmed methods, lists
Sample size	148 pre-programmed methods, lists
Process for samples	For easy handling of small vials
Data interface	Mini USB port; automatic printer detection; direct transfer to Microsoft® Office
Data transfer	SD card; function for importing and exporting methods and results
Housing dimensions (W x L x H)	215 x 400 x 210 mm (8.5" x 15.7" x 8.3")
Weight	Approx. 6.2 kg (approx. 13.6 lbs.)

### Accessories

6005549	Disposable sample pans, 96 units, dimensions: 90 mm Ø
6005949	Class filter pads for analysis of powdery and sticky samples, best quality; 80 units, 90 mm Ø
6009941	Class filter pads for analysis of liquid and sticky samples, soft quality; 200 units, 90 mm Ø
YHP01MA	Repeatability pads, 10 units for performance testing to check the functionality of the analyzer's heating unit and weighing system
XCVS124C-2Z	Internal calibration weights, 100 g (E1) with DMSX calibration certificate
YHP01	Standard laboratory printer
YHP02	Standard laboratory printer
XCP24ACE	44-pin cash for receipt printer
XCP24ACE	44-pin cash for receipt printer
Y3101MA	Process for samples
YMD018 (incl. flow report)	Customer-specific service for individual method development at the Sartorius Application Laboratory in Göttingen, Germany, or in the USA

\* DMSX = German accreditation body recognized throughout Europe



Disposable sample pans

Repeatability pad

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