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## The New MA160 Moisture Analyzer Manages your Sophisticated Tasks



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## Fast, Precise and Easy Moisture Analysis

To be able to perform fast and precise analysis on a diverse range 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 liquid, pasty and solid substances – conveniently, reliably and in a minimum of time. It delivers prompt, repeatable results and supports the development of new methods – in three uncomplicated and intuitive steps. The MA160 manages the generated methods professionally and securely and allows them to be transferred to other instruments.

Effortless cleaning

Fast and precise method development

High-speed measurements

Reliable performance testing

User-friendly operation

Large memory capacity

Display of measurement status



During a measurement, a status lamp indicates the current measurement status. Additionally, the ergonomic BetterClean design of the MA160 allows efficient and simple cleaning of the device.

Using integrated performance testing, the MA160 verifies its functionality at the touch of a button – ensuring permanent and flawless performance.





## Applications

With its optimized heating elements, the MA160 produces high-speed measurements. That's how the MA160's weighing system guarantees the required precision.

The MA160 is ideal for the moisture analysis of a varying range of samples under different conditions. It can generate new methods which allows you to create and effectively manage proprietary measurement procedures for various samples. This supports your work in the QC lab or in process control.

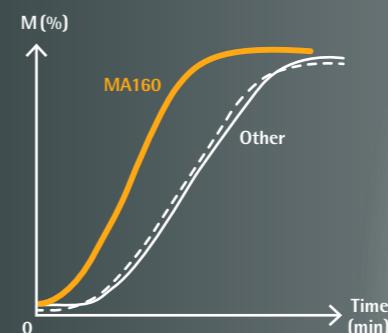
Typical areas of applications for the MA160 include the moisture analysis of foods, beverages, pharmaceuticals, chemicals, paper materials and environmental protection.



## Features

### High-speed measurements

Both the high-performance AURI heater and the sample chamber's geometry ensure rapid heating and a homogeneous and swift sample drying.



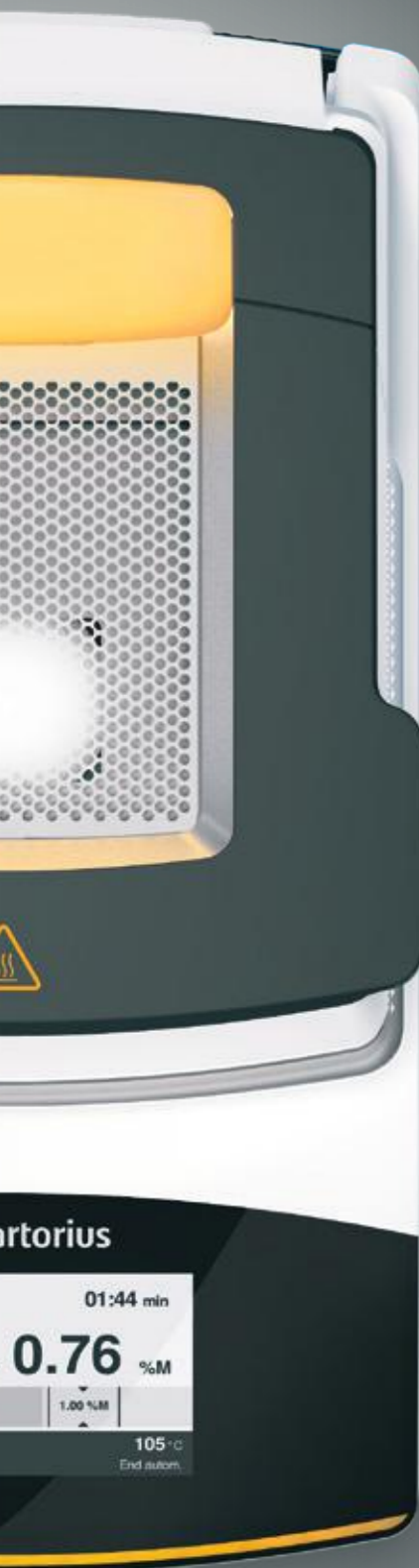
### Large memory capacity

The memory capacity allows the user to store up to 100 different methods and manage them in a method library.

### Fast and precise method development

The MA160's method assistant solves the time-consuming problem of determining and evaluating the right parameters. It enables you to develop new methods quickly in just three simple steps.





### Display of measurement status

The status lamp indicates the current measurement status during the measurement: "running | START", "process finished | STOP", "analyzer OFF" or "error". It is visible from a distance of up to 10 meters.

### Reliable performance testing

The ReproEasy Pad gives you the option to regularly verify the functionality of the MA160. It guarantees reliable results during routine use.

### User-friendly operation

The intuitive user interface, including touch-screen and easy-to-understand menu, considerably simplifies operation of the MA160.

### Effortless cleaning

BetterClean design enables the user to easily and thoroughly clean the instrument parts. Additionally, the heating module and the sample chamber plate are removable and dishwasher safe.



## Technical Specifications

Max. weighing capacity	200 g
Repeatability, typical	Starting at an initial sample weight of approx. 1 g: $\pm 0.2\%$ , Starting at an initial sample weight of approx. 5 g: $\pm 0.05\%$
Readability	1 mg, 0.01%
Typical sample quantity	5 – 15 g
Reading display	Moisture content in % M and % g   dry matter in % S and g   ATRO in % M/S
Temperature range and settings	40°C–160°C, in increments of 1°C Standby temperature selectable from 40 to 100°C
Sample heating	Infrared heating using an AURI heater, 600 W
Heating programs	Standard drying, gentle drying
Shutoff parameter	Fully automatic, semi-automatic, manual and with timer settings
Sample forceps	Easy-to-handle sample dish
Interface	Mini USB, automatic printer detection, direct transfer to Microsoft® programs
Data transfer	SD card, method import and export function
Housing dimensions (W × D × H)	215 × 400 × 210 mm
Weight	Approx. 6.2 kg

### Accessories

6965542	Disposable sample pans, 80 pcs., aluminum, $\varnothing$ 90 mm
6906940	Glass fiber pad for analysis of pasty and fatty samples, hard quality, 80 pcs., $\varnothing$ 90 mm
6906941	Glass fiber pad for analysis of liquid and fatty samples, soft quality, 200 pcs., $\varnothing$ 90 mm
YHP01MA	ReproEasy pads, 10 pcs. for performance testing to verify the repeatability of the analyzer
YCW512-AC-02	External calibration weight, 100 g (E2) with DKD certificate
YDP40	Standard printer
YDP30	Premium GLP laboratory printer
YCC03-D09	Adapter cable for connecting the YDP20-OCE printer



Disposable sample pans



ReproEasy Pad