The New MA160 Moisture Analyzer Manages your Sophisticated Tasks
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.
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.
Reliable performance testing
User-friendly operation
Large memory capacity
Effortless cleaning
Fast and precise method development
Display of measurement status
Technical Specifications

Table of technical specifications:
- **Max. weighing capacity:** 200 g
- **Repeatability:** Starting at an initial sample weight of approx. 1 g: ±0.2%, Starting at an initial sample weight of approx. 5 g: ±0.05%
- **Readability:** 1 mg, 0.01%
- **Typical sample quantity:** 5 – 15 g
- **Temperature range and settings:** 40°C – 160°C, in increments of 1°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:** 215 W x 400 D x 210 H mm
- **Weight:** Approx. 6.2 kg
- **Accessories:**
  - 6965542 Disposable sample pans, 80 pcs., aluminum, d = 90 mm
  - 6906940 Glass fiber pad for analysis of pasty and fatty samples, hard quality, 80 pcs., d = 90 mm
  - 6906941 Glass fiber pad for analysis of liquid and fatty samples, soft quality, 200 pcs., d = 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

Applications
With its powerful heating elements, the MA160 produces high-speed measurements. The combination of reliable sampling systems guarantees the required precision.

The MA160 is ideal for the repeated analysis of a varying range of samples under different conditions. It can generate new and fast results allowing easy and efficient change proprietary measurement procedures for various applications. Both the design and the control of the MA160 are user-friendly.

Typical areas of application for the MA160 include the laboratory analysis of food, feed, pharmaceuticals, paper material and environmental protection.

Features
- **High speed measurements:** Both the high performance AURI heater and the sample heating geometry ensure rapid heating and a homogeneous and fast water drying.
- **Large memory capacity:** The memory capacity allows the user to store up to 100 different methods and manage them in a method library.
- **Effortless cleaning:** The 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.
- **Fast and precise method development:** The intuitive user interface, including touch-screen and easy-to-understand menu, considerably simplifies operation of the MA160.
- **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.
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  - **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
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Typical areas of application for the MA160 include the laboratory analysis of food, feed, pharmaceuticals, paper material and environmental protection.
**Applications**

With its advanced heating elements, the MA160 produces high-speed measurements. Its user-friendly operation and large memory capacity guarantee the required precision. The MA160 is ideal for the moisture analysis of a varying range of samples under different conditions. It can generate new and flexible solutions to meet the needs of the customer. Its memory capacity allows the user to store up to 100 different methods and manage them in a method library. 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.

**Features**

- Fast and precise method development
- Large memory capacity
- Display of measurement status
- High-speed measurements

**Technical Specifications**

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