



# MA100Q Moisture Analyzer

Fully Automatic Infrared Moisture Analyzer with Coiled Quartz Heating Element (CQR)

Moisture Analyzer



- Time-saving and convenient alternative to a drying oven
- Comprehensive range of options for flexible adaptation to various drying tasks
- Ideally suited for ambitious measuring tasks in the fields of quality control or research
- Utmost safety due to self-calibrating system and full GMP suitability
- Excellently suited for high-temperature drying up to 230°C and standard applications

Max. weighing capacity	100 g
Repeatability, typical	Starting at an initial sample weight of approx. 1 g: ± 0.1%   starting at an initial sample weight of approx. 5 g: ± 0.02%
Readability	1 mg, 0.01%   0.1 mg, 0.001%
Typical sample quantity	5 – 15 g
Reading display	% moisture content (optionally available with conversion factor)   % dry weight   RATIO value   mg weight loss   g residue   g/kg residue   g/l residue
Temperature range and settings	30°C–230°C, stand-by temperature selectable from 30–100°C in increments of 1 degree
Sample heating	Infrared heating using a coiled quartz heating element (CQR)
Heating programs	Standard, quick, gentle and phase drying
Shutoff criteria	Optional: <ul style="list-style-type: none"> <li>- Fully automatic</li> <li>- SPRM mode (optimization to a reference system)</li> <li>- Semi-automatic (1–50 mg/5–300 sec.)</li> <li>- Semi-automatic (0.1–5.0%/5–300 sec.)</li> <li>- Timer setting (3× 0.1–999 min.)</li> <li>- Timer setting + fully/semi-automatic (2× 0.1–999 min. + automatic)</li> <li>- Manual</li> </ul>
Access to sample chamber	Motorized cover
Measuring program	30 programs saved in a non-volatile memory (freely selectable parameters)
Data storage	Result statistics for the last 9999 measurements/program
Operator guidance features	Menu-driven, alphanumeric dialogue text (5 languages selectable)
Parameter   data entry	<ul style="list-style-type: none"> <li>- Optimized text entry via softkeys</li> <li>- Numeric entry via keypad</li> <li>- Optional data entry via barcode scanner</li> </ul>
Report printout	<ul style="list-style-type: none"> <li>- Printout using the optional, internal printer YDP01MA</li> <li>- Configurable GLP-report for measuring results   calibration   adjustment (5 languages selectable)</li> </ul>



Easy to clean



With optional printer YDP01MA

Test equipment monitoring	<ul style="list-style-type: none"> <li>– Internal calibration weight</li> <li>– Automatic reproTEST for the weighing system</li> <li>– Automatic temperature calibration with optional temperature adjustment set YTM03MA</li> <li>– Documentation in accordance with the applicable quality assurance requirements</li> </ul>
Safety	Parameter settings password-protected against unauthorized access
Voltage frequency	48-60 Hz
Power consumption	Max. 700 VA
Operating temperature range	10°C...30°C
Housing dimensions (W × D × H)	350 × 453 × 156
Weight	Approx. 8.0 kg

#### Available Models

	Supply voltage
MA100Q-000115V1	115 V +15%, -20%
MA100Q-000230V1	230 V +15%, -20%

#### Accessories

6965542	Disposable sample pans, 80 units, aluminum, round, Ø 90 mm
6906940	Fiberglass pad, Ø 90 mm for pasty and fatty samples, hard quality, 80 units
6906941	Fiberglass pad, Ø 90 mm for liquid and fatty samples, soft quality, with high suction force, 200 units
YAT01MA	Single-use pipettes for weighing liquid samples, 500 units
YSC02	SartoCollect, software for data communication between moisture analyzer and PC (connecting cable must be ordered separately) Prerequisite: MS Windows 2000   Windows XP Professional, Vista Ultimate, Windows 7 Ultimate.
YCW4528-02	External calibration weight, 50 g (E2) with DKD certificate
YTM03MA	Temperature adjustment set with manufacturer certificate for adjustment of the heat source
YDP01MA	Data printer, suitable for integration
YDP20-OCE	Data printer, suitable for external verification, with date, time, statistics, numerator including cable
6906918	Ink ribbon for data printer
6906937	Paper rolls for data printer, 5 rolls, 50 m each

#### Equipment Supplied

- Moisture analyzer with data interface
- Power cord
- User manual
- 80 alu sample pans
- In-use dust cover for keypad
- 1 pair of forceps
- Laminated short-form manual (6 languages)



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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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