



MA100C DRYING RATE TESTER

Product information:

- This test method is intended to evaluate the drying time of knit, woven or nonwoven fabrics at an elevated temperature using a gravimetric moisture analyzer.
- By performing the test at non-standard textile conditions, it is possible to simulate drying at body temperature or to perform testing at temperatures that simulate conditions of use.



Testing Standards: ASTM D3786-06, ISO 13938-2, ISO 2758, EDANA 80.3-99,...

Feature:

- 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
- Particularly well suited for samples with demanding drying behavior and very dry samples

Specification:

Max. weighing capacity:	100 g
Repeatability, typical:	Starting at an initial sample weight of approx. 1g: $\pm 0.1\%$. Starting at an initial sample weight of approx. 5 g: $\pm 0.02\%$
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–180°C, stand-by temperature selectable from 30–100°C in increments of 1 degree
Sample heating:	Infrared heating using a round ceramic heating element
Heating programs Standard:	quick, gentle, and phase drying
Shutoff criteria Optional:	Fully automatic SPRM mode (optimization to a reference system) Semi-automatic (1–50 mg/5–300 sec.) Semi-automatic (0.1-5.0%/5–300 sec.) Timer setting (3+ 0.1–999 min.) Timer setting + fully/semi-automatic (2+ 0.1–999 min. + automatic) Manual
Access to sample chamber:	Motorized cover
Measuring program:	30 programs saved in a non-volatile memory (freely

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	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:	Optimized text entry via softkeys Numeric entry via keypad Optional data entry via barcode scanner
Report printout:	Printout using the optional, internal printer YDP01MA Configurable GLP-report for measuring results calibration adjustment (5 languages selectable)
Test equipment monitoring:	Internal calibration weight Automatic reproTEST for the weighing system Automatic temperature calibration with optional temperature adjustment set YTM03MA Documentation in accordance with the applicable quality assurance requirements
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 (WxDxH):	350 x 453 x 156 mm
Weight:	Approx. 8.0 kg

Accessories:

6965542	Disposable sample pans, 80 units, aluminum, round, Ø90 mm
6906940	Fiberglass pad, d 90 mm for pasty and fatty samples, hard quality, 80 units
6906941	Fiberglass pad, d 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
YDS03MA	Panel replacement set, aluminum panels for replacing glass panels, to meet FDA HACCP regulations (conversion kit)
YSC02	SartoCollect, software for data communication between moisture analyzer and PC (connecting cable must be ordered separately)
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)



Easy to clean



With optional printer YDP01MA