



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

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| Max. weighing capacity | 100 g |
| Repeatability, typical | Starting at an initial sample weight of approx. 1 g: $\pm 0.1\%$ 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–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"> - 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 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"> - Optimized text entry via softkeys - Numeric entry via keypad - Optional data entry via barcode scanner |
| Report printout | <ul style="list-style-type: none"> - Printout using the optional, internal printer YDP01MA - Configurable GLP-report for measuring results calibration adjustment (5 languages selectable) |



Easy to clean



With optional printer YDP01MA

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| Test equipment monitoring | <ul style="list-style-type: none"> – 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 (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

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| 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 |
| YDP20-0CE | 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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