Automatic Urine Strip Analyzer - Urine Chemistry Analyzer - 240 Strips per Hour - 12 Parameters

Model **MSUA-A3-240SWISS** | Brand **Master Science**





The Master Science Automatic Urine Strip Analyzer runs urine dry chemistry without an operator standing by: it feeds racks, aspirates and drops sample onto the strip, reads the colour change and prints the report. Speed is 240 strips per hour, one every 15 seconds.

KEY HIGHLIGHTS

- Walk-away operation
- High throughput
- Consistent strip wetting
- Batch-to-batch accuracy
- Expandable

AT A GLANCE

240 strips/hour (15 s per strip)
TEST SPEED

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

Twelve parameters are measured by the photoelectric colorimetric method. A high-precision dropping system puts the right sample volume on each pad and keeps the work table clean, and an IC card system corrects for differences between strip batches.

For chemistry plus sediment in one line, see the Master Science urine analysis workstation.

Key Benefits

Walk-away operation
the Master Science Automatic Urine Strip Analyzer handles loading to report on its own.

High throughput
240 strips per hour.

Consistent strip wetting
precise sample dropping.

Batch-to-batch accuracy
IC card strip calibration.

Expandable
links online with a urine sediment analyzer.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSUA-A3-240SWISS
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Test Speed	240 strips/hour (15 s per strip)
Sample Loading	5 racks of 10 tubes (50 samples)
Sample Volume	Minimum 3 mL; less than 1 mL aspirated
Principle	Photoelectric colorimetric method
Parameters	Urobilinogen, bilirubin, ketone, blood, protein, nitrite, leukocytes, glucose, specific gravity, pH, ascorbic acid, microalbumin
Processor	32-bit ARM in each module, CAN bus
Strip Batch Control	IC card system
Power	AC 220 V, 50 Hz, 300 VA
Operating Conditions	15 to 35 °C (20 to 25 °C optimal), ≤ 75 % RH

DISPLAY & DATA

Software Upgrade	TF card
Data Storage	20,000 results
Output	RS-232
Printer	Thermal printer

DIMENSIONS & WEIGHT

Dimensions (L × W × H)	660 × 625 × 581 mm
Net Weight	65 kg

COMMON LABORATORY PROBLEMS AND HOW THIS ANALYZER HELPS

Common Laboratory Problems and How This Analyzer Helps	How the Master Science Automatic Urine Strip Analyzer improves urine testing:
Manual strip dipping and timing	fully automatic process.
Uneven wetting of strip pads	metered sample dropping.
Spills on the bench	controlled sampling reduces contamination.
Strip lot variation	IC card correction.

The Master Science Automatic Urine Strip Analyzer is used in

- **Hospital clinical laboratories**
- **Diagnostic centres**
- **Health check-up centres**
- **Routine urine chemistry screening**

Combined lines with sediment analyzers

Automation

- Rack feeding, 50 samples
- Automatic aspiration and dropping
- Automatic reading and reporting

Accuracy

- High-precision sampling system
- IC card batch control
- 12 chemistry parameters

Connectivity

- RS-232 output
- Thermal printer
- TF card upgrades