



ACCENT MC240

Intelligent Multi-Patented Chemistry Analyzer
Test Results You Can Trust



The lifeline to better health

ACCENT MC240

Measurably Better Healthcare Value

- ▲ 51 parameters + 3 ISE (optional) ▲ Closed system with 3 open channels ▲ Only 100 µl min. reaction volume
- ▲ Grating photometry with 12 wavelengths ▲ Washing station, sample carry-over rate ≤ 0.05%

Technical Specification

General performance

- **Model:** fully automated, discrete, random access, bench-top, STAT sample priority.
- **Throughput:** 240 T/H constant speed, up to 400 T/H with ISE.
- **Analysis method:** end-point, fixed-time, kinetic, ion selective electrode (optional).

Reagent and sample handling

- **Sample tray:** 50 positions (option to extend up to 100 positions) in 24-hour refrigerated compartment.
- **Reagent tray:** 50 positions in 24-hour refrigerated compartment.
- **Sample volume:** 2-35 µl, step by 0.1 µl.
- **Reagent volume:** 10-200 µl, step by 0.5 µl
- **Reagent/Sample probe:** liquid level detection, horizontal and vertical collision protection, inventory checking, reagent pre-warming, clog detection.
- **Probe cleaning:**
 - ✓ Automatic washing for interior and exterior.
 - ✓ Sample carry-over rate ≤ 0.05%.
- **Built-in barcode reader** capable to communicate with LIS in bi-directional mode.

Reaction system

- **Reaction cuvettes:** 80 reusable cuvettes (8 x 10-cuvettes segments).
- **Reaction volume:** 100 - 360 µl.
- **Cuvette washing:** washing station with pre-warmed detergent and water.
- **Mixing unit:** independent mixing bar.
- **Water consumption:** ≤ 6.5 L/H.

Optical system

- **Light source:** halogen-tungsten lamp
- **Absorption range:** 0 ~ 3.5 Abs.
- **Photometric unit:** grating photometer with 12 wavelengths (340 nm, 380 nm, 412 nm, 450 nm, 505 nm, 546 nm, 570 nm, 605 nm, 660 nm, 700 nm, 740 nm, 800 nm).

ISE module

- **Optional measuring:** K⁺, Na⁺, Cl⁻.

Control and calibration

- **Calibration modes:** K factor, Linear (two points and multi-points), Non-linear (Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola, Logit-Log 3P, Broken line).
- **Control rules:** Westgard multi-rules, cumulative sum check, twin-plot, Levey-Jennings.

Working conditions

- **Power supply:** 220V-240V, 50/60Hz, ≤ 1300VA or 110V/115V, 60Hz, ≤ 1300VA.
- **Software:** Windows 10 (64 bit).

Physical dimensions

- **Dimension (mm):** ≤ 860 L x 660 D x 550 H.
- **Weight (kg):** ~115.

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