



# ACCENT M320

Intelligent Multi-Patented Chemistry Analyzer  
Test Results You Can Trust



The lifeline to better health

# ACCENT M320

## 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:** up to 360 T/H\* & up to 540 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<sup>+</sup>, Na<sup>+</sup>, Cl<sup>-</sup>.

#### 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.

\*Theoretical value



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