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# ACCENT S120

Clinical Chemistry Analyzer



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# ACCENT S120

Automatic chemistry analyzer ACCENT S120 is intended to measure activity/concentration of multiple clinical chemistry analytes in serum, plasma, urine and cerebrospinal fluid samples <sup>1</sup>

It is only for in vitro diagnostics, for healthcare professional users.

## Technical Specification <sup>2</sup>

### General Performance

- **Model:** fully automated, discrete, random access, bench-top, STAT sample priority
- **Throughput:** up to 200 T/H\* & up to 400 T/H\* with ISE
- **Analysis method:** End-point, fixed-time, kinetic, ion selective electrode (optional)

### Reagent and Sample Handling

- **Sample/Reagent tray:** Up to 120 positions for samples and reagents in 24-hour refrigerated compartment (2-12°C).
- **Sample volume:** 2-45 µl, step by 0.1 µl
- **Reagent volume:** 10-250 µl, step by 0.5 µl
- **Reagent/Sample probe:** level detection, vertical obstruct detection and level tracking
- **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:** 40 disposable cuvettes (8 x 5-cuvette segments)
- **Reaction volume:** 100-360 µl
- **Mixing unit:** independent mixing bar
- **Water consumption:** ≤ 3 L/H

### Optical System

- **Light source:** halogen-tungsten lamp
- **Absorption range:** 0-4.0 Abs
- **Photometric unit:** filter wheel with 8 wavelengths (340 nm, 405 nm, 450 nm, 510 nm, 546 nm, 578 nm, 630 nm, 670 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)
- **Control rules:** Westgard multi-rules, Cumulative sum check, Twin-plot, Levey-Jennings

### Operation Unit Requirements

- **Operating system:** Windows 10 (64 bit)
- **Communication Interface:** RS232 serial port, Network interface, USB / Parallel port, VGA or DVI interface

### Power Supply Requirements

- **Power supply:** 220V-240V~, 50Hz or 220V/230V~, 60Hz
- **Rated power consumption:** ≤1000VA

### Operating Environment <sup>3</sup>

- **Temperature:** 15 - 30 °C
- **Relative humidity:** 35% - 85%, without condensation
- **Altitude height:** -400 m - 2000 m (80 kPa - 106 kPa)

### Storage Environment <sup>3</sup>

- **Temperature:** 0 - 40 °C
- **Relative humidity:** 30% - 85%, without condensation
- **Altitude height:** 50 kPa - 106 kPa

### Physical Dimensions

- **Dimension (mm):** ≤ 695 L x 585 D x 600 H
- **Weight (kg):** ≤ 130

<sup>1</sup> Data in the IFU

<sup>2</sup> Data in the User Manual

<sup>3</sup> Storage and transport conditions must not impair the performance of the analyzer, and it is recommended to maintain the specified conditions for the operation of the device. For transport, the analyzer must be protected against damage and special transport containers must be used.

\*Theoretical value



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