ACCENT-220S
Clinical Chemistry Analyzer

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- dedicated to small laboratories
- up to 220 tests/hour without ISE
- 385 tests/hour with ISE (3 ions)
- up to 33 positions for samples
- up to 35 positions for reagent and 3 ions
- fexible configuration for sample/reagent positions
- carry-over < 0,1%
- liquid level detection & collision protection
- automatic dilution for abnormal sample
- bi-directional LIS interface
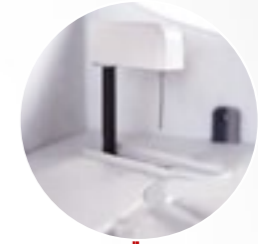
ACCENT-220S

Optimum calibration curve
Linear curve types:
One-point linear, Two-point linear and Multi-point linear.
Nonlinear curve types:
Logistic-Log 4P, Logistic-Log 5P, Exponential 5P, Polynomial 5P and Spline.
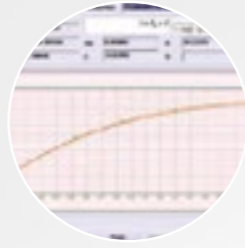
Dynamic and Real-time display of running status
Running status of reagent/sample tray and reaction tray. Real-time monitoring of reagent residual volume. Real-time diagnosis of system working status.

High performance mixer design
Avoid cross contamination. Thoroughly mixes after dispending of sample or second reagent.

Flexible sample/reagent tray
Up to 33 positions for samples.
Up to 35 positions for reagent.
Up to 20/10 virtual sample/reagent trays can be programmed.
24 hour non-stop cooling with Peltier elements.

Disposable reaction cuvettes
Disposable cuvettes to avoid carry-over and save testing costs. Automatic cuvvetes blank testing to assure precise results.

High quality ISE module (optional)
Measurements of K^+, Na^+, Cl.
6 months shelf life.

CORMAY

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Technical specyfications

System Function

Model	automatic, random access, STAT sample priority
Throughput	• up to 220 tests/hour without ISE • up to 385 tests/hour with ISE (3 ions)
Measuring principles	absorbance photometry, turbidimetry, Ion Selective Electrode technology
Methodology	• end-point, fixed-time, kinetic, optional ISE • single/dual reagent chemistries • monochromatic/biochromatic • linear/non-linear multipoint calibration
Programming	open system with user defined profiles and calculation chemistries

Sample Handling

Sample tray	up to 33 positions for samples
Sample volume	3-45 µl, step by 0,5 µl
Reagent/Sample probe	liquid level detection, collision protection and inventory checking
Probe cleaning	• automatic washing both interior and exterior • carry-over < 0,1%
Automatic sample dilution	pre-dilution and post-dilution dilution ratio up to 1:150
External Bar Code Reader (optional)	• used for sample and reagent programming • applicable to various bar code systems including Codbar, ITF, Code 128, Code 39, UPC/EAN, Code 93 • capable to communicate with LIS in a bi-directional mode

Reagent Handling

Reagent try	• up to 35 positions for reagent • 24 hour non-stop refrigerated
Reagent volume	• 5-450 µl, step by 1 µl

Reaction System

Reaction rotor	Rotating tray, containing 40 cuvettes
Cuvette	Optical lenght 5 mm
Reaction volume	150-500 µl

Reaction temperature	37°C ± -0,1°C
Mixing system	independent mixing bar

Optical system

Light Source	halogen-tungsten lamp
Linear range	0-3,5 ABS
Wavelength	340 nm, 405 nm, 450 nm, 510 nm, 546 nm, 578 nm, 630 nm, 670 nm

ISE Module (optional)

ISE Module (optional)	K^+, Na^+, Cl^-

Control and Calibration

Calibration mode	linear (one-point, two-point and multi-point), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola
Control rules	Westgard multi-rule, Cumulative sum check, Twin plot
Operation system	Windows* XP Professional/Home SP2, Windows* VISTA Home/Business
Water consumption	2,5l/hour
Interface	RS-232
Temperature	15-30°C

Dimension

Width	570 mm
Lenght	690 mm
Hight	595 mm
Weight	75 kg