Csense 120

Entry Level Automated Closed System for Clinical Chemistry and Turbidimetry

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Csense 120

Automated Chemistry Analyzer with System Packs

Technical Specifications

System Functions

System	:	Discrete random access
Throughput	:	120 T/H (single/double reagent)
Analysis method	:	End-point, Two-point, Kinetic

Sample & Reagent system

Sample positions	:	20+2 positions, up to 71
Sample & reagent probe	:	1 independent polished treated probe with mixing function
Sample volume	:	2~100 µl, 0.1 µl stepping
Sample & reagent probe technology	:	X+Y+Z dispensing system, Liquid level detection
Sample & reagent probe cleaning	:	Automatic washing both interior and exterior
Reagent positions	:	50 positions with on-board cooling
Reagent volume	:	15~300 µl, 1 µl stepping

Reaction System

Cuvette specifications	:	Individually positioned 48 cuvettes
Reaction temperature	:	37°C
Waste water treatment	:	Waste liquid level alarm De-ionized water level alarm
Reaction cuvette cleaning	:	On-board 6 stage cuvette washing with autowash concentrate

Optical System

Light source	:	10W/6V halogen lamp
Wavelength	:	8 wavelengths-340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 700nm
Absorbance range	:	0~3.5 Abs
Resolution	:	0.0001 Abs

Calibration and QC

Calibration rules	:	10 types (Factor, 1-point, 2-point, Multipoint, Spline, Logit-log 4P/5P, Exp 5P, Poly 5P, Parabola)
Control rule	:	Westgard multi-rule, L-J plot

Operating System

Operating system	:	Win 7/Win 10
Interface	:	Standard RS-232

Working Conditions

Power supply	:	AC110/220V, 50/60Hz, 300W
Temperature	:	15~30°C
Humidity	:	35-80%
Water consumption	:	3~5 L/Hour

Weight & Size

Dimensions	:	500mm X 440mm X 470mm
Net weight	:	~40Kg

Csense 120
Everything you wanted and more!

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Csense 120

Features that provide everything you wanted!

Entry Level Automated Closed System for Clinical Chemistry and Turbidimetry

Liquid Handling

- Unique discrete, X+Y+Z dispensing system
- Reagent/Sample probe with stirrer mixing facility
- Liquid level detection
- Collision protection of probe
- Automatic probe washing by internal, external and stirrer wash
- Backed by maintenance-free diluter

On-board Laundry

- Automatic 6-stage on-board washing station with auto wash concentrate
- Maintenance-free vacuum pumps
- Automatic cuvette auto-zero after washing of each cuvette
- Alarm for waste liquid level & de-ionized water level, washing solution

Reagent & Sample Rack

- Flexible metallic drawer-style reagent and sample rack
- Interchangeable reagent and sample position
- Max 50 reagent positions and max 71 sample positions
- Continuous sample loading
- Cooled reagent unit with peltier elements
- Sean and place ozosense system pack

Reaction Carousel

- 48 individually positioned reaction cuvettes
- High quality reusable cuvettes
- Thermostat technology to maintain temperature at 37°C

COMPACT

- Small foot-print with powerful aesthetics (0.1 m^3)
- The most compact automated chemistry and turbidimetry analyzer

FAST

- Constant throughput of 120 test/hour with single or double reagent assay

SMART

- On-line inventory for reagents, waste and de-ionized water
- Easy profiling of any assays
- On-line graph monitoring for any reactions
- Pre-programmable auto-serial dilution of calibrators

ECONOMIC

- System packs with defined number of tests
- On-board laundry with reusable cuvettes
- Long life lamp

ACCURATE

- Pre-programmed with OzoSense System Packs
- Reliable results and stable performance

Empowered by OzoSense

System Pack for Csense 100/120

- Improved accuracy and reliability
- No reagent refilling/ top-up required
- Pre-programmed and validated
- Reduced handling errors
- Special stabilizers used for enhanced on-board stability
- Guaranteed number of tests
- Easier accreditation
- Reduced contamination and application errors
- Convenient Pack Sizes
- Fully compatible with OzoCal, OzoNorm and OzoPath