Csense 100

Technical Specifications



System Function

System Discrete random access 100~120 T/H (single/double reagent) Throughput Analysis method End-point, Two-point, Kinetic

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

Reagent position 50 positions with on-board cooling 15~300 μl, 1 μl stepping Reagent volume

20 ml Reagent bottle

Sample & Reagent system

Reaction System

Cuvette specification Individually positioned cuvettes Optical diameter of 5.8 mm

Reaction volume 180 μΙ-500 μΙ

Reaction temperature 37°C

Waste water treatment Waste liquid level alarming

De-ionized water level alarming

On-board 6 stage cuvette washing Reaction cuvette cleaning

Optical System

Light source

Wavelength 8 wavelengths: 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 700nm

10W/6V halogen lamp

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,

Win XP /Win 7 /Win 8

Standard RS-232

3~5 L/Hour

Exp 5P,Poly 5P, Parabola) Westgard multi-rule, L-J plot

Operating System

Operating system Interface

Control rule

Working Conditions

Power supply AC110/220V, 50/60Hz, 300W 15~30°C Temperature

35-80% Humidity

Water consumption

Weight & Size

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

EVERYTHING YOU WANTED!





VPS Enterprise,

H.No.26, Suresh Kene Building, Devrung, Near Z.P School, Bapgaon, Kalyan, Thane.

339, Plot No.20, Block No.2, Gaurav Park, Behind Vatika Ashram, Pimprala, Jalgaon-425002

B17, Ghatkopar Industrial Estate, Behind R-City Mall, Ghatkopar West, Mumbai-400086



Csense 100

Automated Chemistry Analyzer with System Packs

Csense 100

Features that provide everything you wanted!

Entry Level Automation 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
- Maintenance-free vacuum pumps
- Automatic cuvette auto-zero after washing of each cuvette
- Alarm for waste liquid level & de-ionized water level



Reagent & Sample Rack

- Flexible drawer-style reagent and sample
- Interchangeable reagent and sample position
- sample positions



Reaction Carousel

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



- Small foot-print with powerful aesthetics (0.1 m³)
- The most compact automated chemistry and turbidimetry analyzer

FAST

Constant throughput of 100 tests/hr. with typical workload with max. throughput upto 120 tests/hr.

SMART

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

ECONOMIC

- Min. sample volume of 2 μl
- Min. reaction volume of 180 μl
- On-board laundry with no additional consumables

ACCURATE

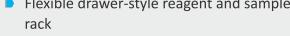
- Pre-programmed with OzoSense System Packs
- Reliable results and stable performance



- 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







Max. 50 reagent positions and max. 71

- Continuous sample loading
- Cooled reagent unit with peltier elements
- Suitable for direct placement of OzoSense System Reagent bottles

