

# Csense 100

## Technical Specifications



### System Function

System	Discrete random access
Throughput	100~120 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 position	50 positions with on-board cooling
Reagent volume	15~300 µl, 1 µl stepping
Reagent bottle	20 ml

### Reaction System

Cuvette specification	Individually positioned cuvettes Optical diameter of 5.8 mm
Reaction volume	180 µl-500 µl
Reaction temperature	37°C
Waste water treatment	Waste liquid level alarming De-ionized water level alarming
Reaction cuvette cleaning	On-board 6 stage cuvette washing

### 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 XP /Win 7 /Win 8
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

# 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 rack
- Interchangeable reagent and sample position
- Max. 50 reagent positions and max. 71 sample positions
- Continuous sample loading
- Cooled reagent unit with peltier elements
- Suitable for direct placement of OzoSense System Reagent bottles



#### 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<sup>3</sup>)
- 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 water
- 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

#### Empowered by **OzoSense** System Pack for Csense 100

- 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

