

Csense 200^{CD}

Technical Specifications

SYSTEM INFORMATION

System Function: Discrete Random Access

Throughput: Constant 200 tests per hour (Single/Double Reagent)

Analysis Modes: End-point, Two-point, Kinetic

SAMPLE & REAGENTS / SYSTEMS

Sample Positions: 40

Reagent Positions: 40

Separate Mixing Probe

Clot Detection

Preheating of reagent

Sample Volume: 3 µl – 45 µl with 0.1 µl increment

Refrigeration: 4°C to 15°C for reagent compartment

Built in barcode reader for Sample & Reagent – Optional

REACTION CUVETTES

Reaction Temperature: 37 °C

Waste water Treatment: Alarm for waste water container
Alarm for deionized water

Reaction Cuvettes washing: 8 stage on board washing

MEASURING AND OPTIC SYSTEM

Halogen lamp

Absorbance range: 0 to 4.000Abs

Wavelengths: 8 wavelengths from 320 nm to 850 nm
including 340 nm, 405 nm, 510 nm, 546 nm, 578 nm,
630 nm, 670 nm

WORKING STATION

Power Supply: AC 110V/220V , 50/60Hz

Temperature: 0 to 40°C

Humidity: <= 80 %

Water Consumption : Approx 6.7 liter per hour

Dimension: 800mm (L) *650mm(W)*590mm(H)

Gross weight 142 KG

AVAILABLE SYSTEM PACK/COMPATIBLE REAGENTS

- Albumin
- Amylase
- ALP
- Bilirubin Total
- Bilirubin Direct
- Calcium AS III
- Cholesterol
- Creatinine MR
- Glucose
- HDL Direct
- LDL Direct
- SGOT
- SGPT
- Total Protein
- Triglycerides
- Urea UV
- Uric Acid
- Lipase
- Creatinine Enzymatic
- CRP Turbi
- Gamma GT
- ADA
- LDH
- Phosphorous
- CK NAC
- CK MB
- ASO Turbi
- RF Turbi
- HbA1c Turbi
- Iron
- Ferritin Turbi
- D-Dimer Turbi
- ACE
- Homocysteine Turbi



Next Generation

Clinical Chemistry Analyzer with Clot Detection



MEDSOURCE OZONE BIOMEDICALS PVT. LTD.

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Csense 200^{CD}
True Automation for Medium
Sized Laboratories

Csense 200^{CD}

Features that every lab must demand

True Automation for Clinical Chemistry and Turbidimetry with Clot Detection

Intelligent Pipetting System

- ✦ Clot Detection
- ✦ Dedicated Mixer
- ✦ Liquid Level Detection
- ✦ Collision Protection
- ✦ Maintenance free diluter pumps
- ✦ Water fall technology for probe washing



Reagent & Sample Section

- ✦ Best in Class Refrigeration
- ✦ 40 sample positions
- ✦ 40 reagent positions
- ✦ Continuous sample loading
- ✦ Direct use of system pack bottles in the reagent rack



8 stage advance on board laundry

- ✦ Low maintenance vacuum pump technology
- ✦ On board alarm sensors for waste and DI water
- ✦ Dirty cuvette identification



Reaction Carousel

- ✦ 81 Reaction Cuvettes
- ✦ High quality reusable cuvettes
- ✦ Thermostat technology for maintaining 37°C temperature



CLOT DETECTION TECHNOLOGY

First analyzer in its class to offer onboard clot detection

- Directly load primary sample tubes
- No incorrectly low/high results due to clot aspiration
- Confident, error free processing of samples

FAST

Constant speed of 200 tests/hour for even double reagent assays

INTELLIGENT

- Online reagents inventory
- Real time reaction curves
- Auto dilution feature
- Auto concentrate feature

ECONOMIC

- Re-usable cuvettes
- Long Lamp life
- Optimal system packs for low per test costs

Empowered by **Ozo Sense**
System Packs for *Csense 200^{CD}*

- ✦ 30+ parameters
- ✦ High Accuracy & Reliability
- ✦ No Reagent refilling / No top up
- ✦ Guaranteed number of tests per bottle/kit
- ✦ Reduced handling errors
- ✦ Easier accreditation
- ✦ Reduced running costs