Instrument Specification

Instrument Type	Fully automatic random access chemistry analyzer
Throughput	Constant speed 200 T/H, 350 T/H with ISE
Testing Method	One–point end, two–point end, rate (kinetic), two points rate, mono/double wavelength, eliminate reagent and sample blank immunoturbidimetry
STAT Function	Emergency samples can be added during routine test

Sample System

Sample Disk	30 sample positions (including routine sample, calibration, QC and STAT positions), support primary tubes and sample cup
Collision Detection	Probes and washing arm collision protection
Sample Probe	Inner & outer high polished probes with low carry over Liquid level detection Volume tracking function during aspiration
Sample Volume	2~80 μL, variable in 0.25 μL

Reagent System

Reagent Disk	60 positions compatible with several types of bottles
Cooling System	Independent 2~8℃ 24 hours non–stop cooling system
Washing System	Warm water washing for both inner and outer of the probes
Reagent Probe	Inner & outer high polished probe with low carry over Reagent volume tracking function during aspiration
Reagent Volume	25~480 μL, variable in 0.25 μL

Optical System

Light Source	Long life halogen lamp 12V/20W
Optical System	High resolution filters with 12 wavelengths 340nm, 405nm, 450nm, 492nm, 510nm, 546nm, 578nm, 630nm, 660nm, 700nm, 750nm, 800nm

Reaction System

Reaction Cuvette	48 high permeable UV cuvettes Hard glass cuvette optional
Washing System	6–probe washing with detergent Extra cleaning optional for specific test items
Mixing System	Independent stirrer
Reaction Volume	Minimum 100μL for quartz cuvette; 150μL for hard UV cuvette
Incubation System	Air bath heating 37 ± 0.1℃

Calibration and QC

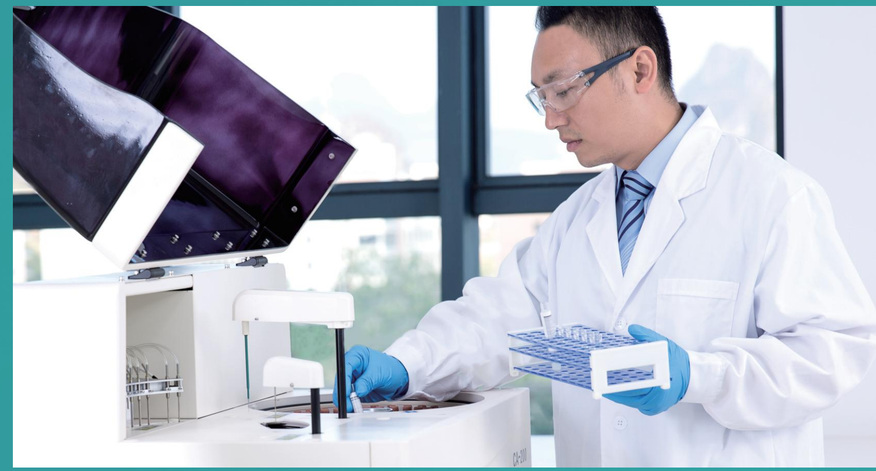
Calibration	Linearity calibration (single point, two points, multi points) Non–linearity calibration (Logit–Log4P, Logit–Log5P, exponential function, spline, exponential 5P, parabola, Wei Bull)
QC Rules	Westgard multi–rules, Levey–Jennings rules and diverse levels of QC

Operation System

Operation System	Windows 7, 10
Testing Sequence	Programmable test sequence Maximize test speed and minimize carryover
Advanced Features	Reaction reading points traceable after test cycle finish Exceed linearity and high concentration sample auto–dilution Real–time monitoring reaction process
LIS Protocol	Bi–directional LIS/HIS
Report	Various editable customized formats
Data Storage	Depend on PC host memory capacity

Others

Dimension	740mm(L) × 535mm(W) × 510mm(H)
Weight	80 kg
Water Consumption	≤5 L/H during operation



CA–200

Automatic Chemistry Analyzer

Constant 200 T/H, 350 T/H with ISE
Bench–top compact design
Tailor–Made User–Friendly Interface
High System Reliability
Minimal Intervention Demands

CE

PIOWAY

- Constant 200 T/H, 350 T/H with ISE
- Bench–top compact design
- 30 sample positions, 60 reagent positions and 90 reaction cuvettes
- Air bath heating incubation system
- 24 hours non–stop, 2~8℃ constant ice–free cooling system
- High accuracy filters optical system
- Probes & washing arm collision protection
- User–friendly software, easy operation
- Bi–directional LIS/HIS

Minimize Operator Time

- Real–time monitor temperature, distilled water and waste
- One–key pause sample & reagent disk during testing to add new samples and reagents
- Integrated inner bar code reader for sample & reagent

Increase Productivity

- 350 T/H with ISE module
- 48 reaction cuvettes and 20 dummy sample trays
- 62 on–board parameters

Guarantee High Quality Results

- 37 ± 0.1℃ reaction incubation by air bath heating system
- 2~8℃, 24 hours non–stop sample and reagent cooling system
- 0.25 μL variable sampling accuracy
- 12 wavelengths and free maintenance high resolution filters optical system

Real–time Workflow Follow Up

- Control all operations from main interface (routine, STAT, temperature, etc.)
- Multiple alarms, auto–retest and auto–dilution functions for over linearity or substrate exhausted samples
- Reaction curve saved for every test
- Calculated results available

Minimal Intervention Demands

- Auto clean cuvettes clean before & after testing
- Auto lamp sleep function to prolong life span
- Software data auto–backup function
- Auto exhausting pipeline air bubbles

URIT Reagent

- Ready to use reagent
- Liquid formulation packaged in bar coded catridges for on–board use
- Multi–positions for same reagent on–board, the analyzer will switch to the next one when one cartridge is finished
- Traceable QC and standard materials