

# CHEMY 200

Fully Auto Chemistry Analyzer

# GENEX

Laboratories

## System function

- Throughput: Up to 225 tests/hour(not including ISE tests)
- Test Method: End point, Fixed time, Kinetic
- Test Sequence: Discrete, Random access, STAT can be inserted at anytime. Test sequence can be sorted by samples or items
- Spectrometer: Enclosed array of spectrometer and photodiodes, maintenance free.
- Reaction detect: Monitor 81 cuvettes' reaction at the same time
- Photometric process: The interval time between two consecutive photometric points are exactly the same.
- Pipeline system: Pressure auto released pumps and double filters to protect pumps and valves
- Gearing: Plastic gear leads lower noise and accuracy of positioning of moving parts
- Environmental resistance: Resistant from dust and water vapor

## Optical system

- Light source: 12V 20W, halogen lamp with lifetime more than 2000 hours
- Spectrometer: Post spectrometer with arrayed and sealed filters, maintenance free
- Wavelength: 340nm、405nm、450nm、510nm、546nm、578nm、630nm、670nm
- Absorbance range: 0~6

## Reaction system

- Cuvette material: UV free plastic
- Reaction disc: Discal reaction disc with 81 disposable cuvettes
- Reaction volume: 150  $\mu$  L ~ 600  $\mu$  L
- Heater: Solid and sealed heater leads temperature raise rapidly and steady and maintenance free
- Temperature: 37°C  $\pm$  0.1°C

## Sample/Reagent/Stirrer system

- Sample volume: 2  $\mu$  L ~ 30  $\mu$  L, step by 0.1  $\mu$  L
- Sample tray: 12 positions for primary tubes and secondary cups on one tray, provide two trays convenient for alternate use.
- Reagent volume: 20  $\mu$  L ~ 300  $\mu$  L, step by 1  $\mu$  L
- Reagent tray: Embed refrigerated tray provide 30 reagent bottle positions
- Reagent bottle: Particular reagent bottle without dead volume
- Reagent Cooling: Continuous cooling system according to the principle of peltier
- Probe: Inner and outer walls are highly polished leads carry-over < 0.1%, level detection and vertical and horizontal collision protection
- Stirrer: Paddle stirrer coated with Teflon, stir immediately after sampling
- Water consume: < 1.5L/hour
- Carry over: Optimized item test sequence and reinforced washing process, lower the carry over and avoid probe being clotted



## Calibration/QC

- Calibration type: Single point linear, two points linear, multi-points linear, Logit-4P, Logit-5P, Spline, Exponential 5P, Polynomial 5P, auto choose the best fittest calibration curve
- QC type: Real time QC, daily QC, day to day QC
- QC chart: L-J, Cumulative sum check, Twin Plot
- QC rule: Customized QC rule in order to adapt different item's requirements

## Operational system

- Operational system: VISTA, Windows XP, Windows2000
- Memory: Auto save and recover the results
- Report format: Customized report format
- Status Check: Real time check the working status of the analyzer

## Power/ Dimension

- Voltage: AC 85V ~ 264V, 55Hz  $\pm$  8Hz, Auto adaption according to the input voltage
- Power:  $\leq$  350VA
- Dimension: 815 mm  $\times$  625 mm  $\times$  1100mm (L  $\times$  W  $\times$  H)
- Net weight: 90Kg

