



Clinichem-160 **NEW**

Automatic Chemistry Analyzer

INNOVATION DESIGN

SMART COMBINATION

Clinichem-160

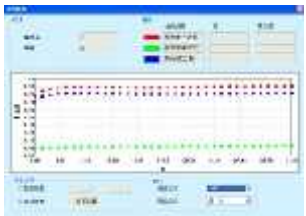
Automatic Chemistry Analyzer



- User friendly software interface simple, easy-to-operation
- Sample automatic dilution(decrease, increase, normal)
- Masking tests when reagent or standard is exhausted



- Calibrator auto-dilution
- Linear & nonlinear calibration
- Multi-points calibration up to 8 points
- Quality control apply to Westgard, L-T plot, Cumulative



- Real-time display of running status
- Real-time display of status of reagent tray, sample tray and reaction tray
- Real-time updating of reagent residuals
- Real-time marking of defective cuvette
- Reaction result automatic checking and warning
- Calibration result automatic checking and warning
- Alarm log: Automatic alarm and record in alarm list during running process



Clinichem-160

Sampling probe

- External & internal mirror polish, external & internal probe washing(reducing carry-over)
- Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback of reagent & sample residuals
- Collision protection
- Automatic probe depth adjusting



Excellent mixer design

- Teflon coating mixer. No water droppping (reducing carry-over)
- Excellent mixing effect with standard mixing procedure



High precision ceramic syringe

- Sample dispensing by frequency converting design
- Permanent ceramic piston
- Accurate dispensing as low as 0.1ul



Multi-functional sample & reagent tray

- 80 reagent positions (40 for R1, 40 for R2)
- 40 sample positions, micro cup & test tube can be used
- Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C
- Bar code reader(optional)



Washing station

- 4 needles wash-station
- Triple washing
- Effective washing to ensure accurate result and valid diagnostics



Reaction tray

- 44 reaction cuvettes
- Reaction volume as low as 150ul
- Stable & accurate temperature(37±0.1 °C) for reaction



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Automatic Chemistry Analyzer

Technical specifications

General information

| | |
|-------------------|---|
| Machine type: | Random access, open reagent & locked reagent (optional) |
| Test speed: | Constant 150 tests/hour (monoreagent or double reagent) |
| Test principle: | Colorimetric method, turbidimetry |
| Test method: | 1 point end, 2 point end, Fixed-Time, Kinetics |
| Calibration type: | Linear & nonlinear |

Sample & Reagent unit

| | |
|--|---|
| Sample tray: | 40 sample positions |
| Sample cup type: | Micro cup & test tube |
| Reagent tray: | 80 reagent positions(40 for R1 & 40 for R2) |
| Sample volume: | 2-30ul, step by 0.1ul |
| Reagent volume: | 20-300ul, step by 1ul |
| Sample & Reagent bar code reader(optional) | |

Reaction unit

| | |
|------------------|---|
| Reaction tray: | 44 high quality plastic cuvettes |
| Reaction volume: | 150ul-330ul |
| Reaction time: | 10 minutes |
| Temperature: | Peltier pad incubation system, reaction temperature (37°C±0.1 °C) |

Cuvette washing: 3*4 steps automatic washing

Mixing system

Teflon coating mixer

Optical system

| | |
|-------------------|--|
| Light source: | Halogen lamp |
| Wavelength: | 340nm; 405nm; 450nm; 505nm; |
| Absorbance range: | 546nm; 578nm; 630nm; 700nm(4 more options) |
| | 0-4.0 Abs |
| Resolution: | 0.0001 Abs |

Operation system requirements

| | |
|-------------------|------------------------|
| Operation system: | Windows XP & Windows 7 |
| Interface: | USB |

Working conditions

| | |
|--------------------|-----------------------------------|
| Power supply: | AC 110/220V ± 10%, 50/60 Hz, 650W |
| Water consumption: | 6L/hour(maximum) |
| Dimension: | 750mm*560mm* 530mm(L*W*H) |