

EM-200

Automatic Chemistry Analyzer

Technical specifications

General information

Machine type: Random access, open reagent & locked reagent (optional)

Test speed: Constant 200 tests/hour (mono reagent 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-350ul

Reaction time: ≤15 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; 546nm; 578nm; 630nm; 700nm (4 more options)

Absorbance range: 0-4.0 Abs

Resolution: 0.0001 Abs

Operation system requirements

Operation system: Windows XP, Windows 7, Windows8

Interface: USB

Resolution: 0.0001 Abs

Working conditions

Power supply: AC 110/220V ± 10%, 50/60Hz, 1000VA

Interface: USB

Resolution: 0.0001 Abs



EM-200
Automatic
Chemistry Analyzer >



EASTMED

PROFESSIONAL LABORATORY
EQUIPMENT MANUFACTURER

PRODUCT MANUFACTURED BY EASTMED

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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

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)

Reaction Tray



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

Excellent Mixer Design



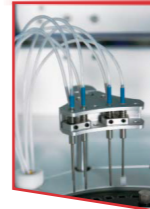
- Teflon coating mixer. No water dropping (reducing carry-over)
- Excellent mixing effect with standard mixing procedure

High Precision Ceramic Syringe



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

Washing Station



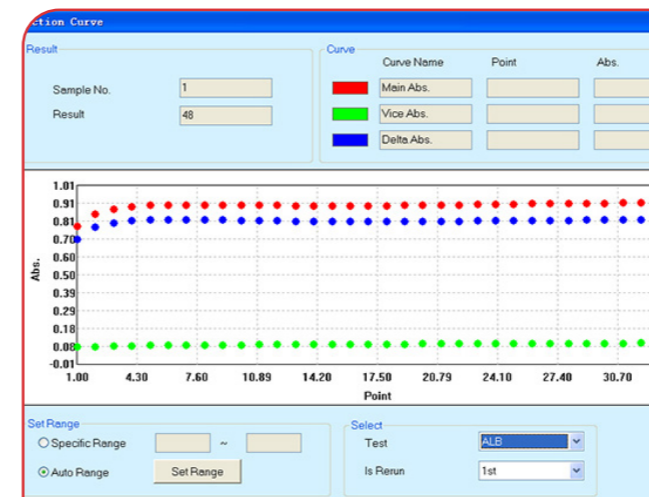
- 4 needles wash-station
- Triple washing
- Effective washing to ensure accurate result and valid diagnostics.

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Automatic Chemistry Analyzer

Powerful Software

- User friendly software interface simple, easy-to-operate
- Sample automatic dilution(decrease, increase, normal)
- Reaction result automatic checking and warning, calibration result automatic checking, warning alarm log
- Linear & nonlinear calibration, Multi-points calibration up to 8 points
- Quality control apply to westgard, L-T plot, cumulative
- Masking tests when reagent or standard is exhausted
- Quality control apply to Westgard, L-T plot, Cumulative



S.No.	Position	Status
1	1	Registered
2	3	Registered
3	4	Registered
4	5	Analyzing
5	6	Finished

