EM-200 PLUS
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 unit

Sample tray:	40 sample positions
Sample tube:	Micro cup & test tube & blood collection tube can be used. (<D 12-13)mm * (25-l00)mm
Sample volume:	2-30μL, step by 0.lμL
Sample probe:	Liquid surface detection, timely tracking for liquid volume. Collision avoidance
Sample barcode	Sample barcode reader (optional)

Reagent unit

Reagent tray:	80 reagent positions (40 for Rl & 40 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2°C-14"C, open system, could accept any reagent.
Reagent volume:	20-300μ1, step by 1μ1
Reagent needle:	Liquid surface detection, timely tracking for liquid volume. Collision avoidance.
Reagent barcode:	Reagent barcode reader (optional)

Reaction unit

Reaction tray:	44 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance.
Reaction volume:	150μ1-330μ1
Reaction time:	10 minutes
Temperature:	Peltier pad incubation system, reaction temperature (37°C ± 0.1 "C)

Mixing system

Mixer:	Paddle-type mixing, effective reducing of carry-over

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, Windows 8, Windows 10
Data processing:	Automatic calibration, test combination, effective time management of reagents, serum index, whole process detection, linear expansion of enzyme, blank deduction,dirty cuvette memory , cross infection prevention, patient information memory and association input, automatic report audit, data fuzzy query, report statistics and printing, reference range grading, alarm information classification, user operation privilege classification management.
Report printing:	6 formats optional, surpport custom pattern
Interface:	TCP /IP network interface

Working conditions

Power supply:	AC 110/220V ± 10%, 50/60 Hz, 650W
Water consumption:	8L/hour(maximum)
Dimension:	870mm * 690mm * 740mm(L*W*H)
Weight:	80kg

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EASTMED
PROFESSIONAL LABORATORY EQUIPMENT MANUFACTURER

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EM-200PLUS
Automatic Chemistry Analyzer

Multifunctional precision sampling probe

- External & internal mirror polish, external & internal probe washing
- Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback of reagent & sample residuals
- Collision protection, automatic probe depth adjusting

Reagent tray & Sample tray

- 80 reagent positions, 40 sample positions
- Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C
- Bar code reader(optional)

Excellent mixer design

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

Reaction tray

- 44 reaction cuvettes
- Reaction volume as low as 150µ1
- Stable & accurate temperature (37±0.1 °C) for reaction

High precision ceramic syringe

- Permanent ceramic piston
- Accurate dispensing as low as 0.1 µl

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Features

- Constant speed 200 tests/ hour
- Independent probe
- Independent stirrer
- Reagent tray contains 80 reagent positions
- Sample tray contains 40 sample positions
- The reaction tray contains 44 UV Plastic reaction cuvettes
- 4-stage, 3 times automatic washing system