Sample Reagent Probe & Mixer

Testing Mode	Regular mode (single & dual reagents), fast mode (single reagent)
Sample Mode	Random access, STAT sample priority
Sample Volume	2-50µL, step by 0,1µL
Sample Disk	40 positions
Sample/reagent Probe	One probe for sample and reagent with liquid level detection, vertical and horizontal collision protection and reagent volume real time monitoring function
Sample Tube	Regular sample tube, Vacuum tube, eppendorf tube, plastic tube, etc.
Reagent Volume	R1: 150-450µL, R2: 10-300µL, step by 1µL
Reagent Disk	40 reagent positions, 24 hours water cooling, 4-12°C
Reagent Bottles	Compatible with Olympus and Hitachi reagent bottles
Mixer	High polished nano material mixer

Reaction System

Reaction Cuvettes	81 cuvettes, semi-permenent rigid UV special plastic cuvettes
Wash Station	6-cleaning needles auto wash station
Reaction Temperature	37±0.3°C
Heater	Metal thermostat for reaction disk

Optical System

Lamp	Halogen Tungsten lamp, 12V20W, about 2000hours, water cooling system
Filter	FMSS (Full-sealed Matrix Spectrometric System)
Wavelength	8 wavelengths; 340, 405, 450, 510, 546, 578, 630, 670nm
Resolution	0,0001Abs
Linearity Range	0-3,5Abs(340nm),0-4.0Abs(510nm)
Accuracy	0,5A: < ± 0.02Abs, 1,0A: <±0.04Abs
Stray Light	>4.5
CV	<1.5%
Center Wavelength Deviation	± 2nm
Detector	Photodiode detector array

Cal & QC

Calibration Mode	One point linear, two point linear, multi-point linear, Logit-4P, Logit-5P, spline, exponential, polynomial
Calibration Curve	Calibration curve auto check, auto curve fitting
QC Rule	Westgard multi-rule, Cumulative sum check, Twin Plot
QC Curve	Westgard multi-rule, Cumulative sum check, Twin Plot
QC Warning	Out of control auto warning, data automatic record and analysis

Software

Operating System	Windows 7/10
Data Storage	Decided by computer hard disc capacity
LIS Interface	Bi-LIS interface
Print Mode	Multi default formats, user-defined formats
System Monitor	Realtime monitoring for sample disk, reagent disk, reaction disk, real time monitoring for QC status. Realtime monitoring for reaction cuvettes status, lamp status and temperature. Real time monitoring for reagent volume, reaction curve, calibration curve and QC curve. Linearity range limitation. substrate exhaustion judgement and prozone detecting. Abnormal status warning.
Other Function	User authority setting, test panel function, calculated/manual parameters programing, carryover Setting, sample and reagent blank auto calculation, automatic failure recovery, automatic print, data static, auto/manual dilution test, auto retest.
PC Configuration	CPU 2.5GHz, memory 4GB, hard disk 500 G 19 inch widescreen monitor
PC Interface	RS-232C

Others

Dimension	(D) 550 x (W) 855 x (H) 580 mm
Power Supply	AC 100-240V, 50/60Hz ± 1Hz, ≤350VA
Net Weight	75Kg
Optional Parts	Barcode reader, ISE module, Water purification module, PC with touch screen, External printer

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AU240

Auto Chemistry Analyzer

Precise, Fast, and Stable

System Function

Category	Random access, fully automatic chemistry analyzer
Throughtput	240 tests/hour (chemistry), 315tests/hour (With ISE)
Methodology	End point, Fixed Time, Kinetic
Reagent	Open system
Reagent Position	40
Sample Position	40
Minimum Reaction Volume	150µL
Carryover	<0.01%
Water Consumption	Low to 5L/Hour
Maximum Reaction Time	19 minutes (Single reagent). 15.7 minutes (Dual reagent)
Maximum Reaction Volume	400µL
Principle	Colorimetry, Turbidimetry, ISE analysis method

SCAN ME
+62 813 4888 1971
mb2putra
www.mb2putra.com
Komplek Ruko Icon 21 Kav B – 12,
Jl. Meruya Ilir Raya, Kembangan, Jakarta Barat, 11630
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AU240

Auto Chemistry Analyzer

User Friendly Software

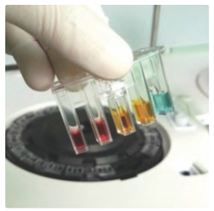
- Easy operate with iconic interface
- Multi-language available
- Easy reagent parameters setting
- Support batch request, panel/calulation test
- Print out report template editable
- Auto troubleshoot failure and recovery
- Powerful static system
- Manual dilution, auto dilution and post dilution
- Easy rerun and restore test

Calibration & QC

- Multiple calibration mode
- Advanced algorithm to obtain best calibration curve
- Multi QC rules: Westgard, Cumulative sum check, Twin plot

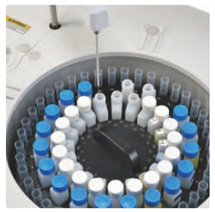
Real Time Monitoring

- Reaction curve, calibration test and QC test curve
- Sample, reagent and reactive cuvette status
- Lamp intensity, water tank and waste tank status
- Reaction disk and reagent disk temperature



Reaction System

- 81 high light transmittance reaction cuvettes
- Metal thermostat ensures stable temperature: 37°C
- Auto water blank test ensures precise results
- Optional quartz glass cuvette

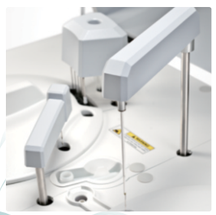


Sample & Reagent Disk

- 24 hours reagent refrigerator: 4-12°C
- Noise free water cooling design
- 40 positions for reagent
- 40 positions for sample with STAT priority
- Optional barcode scanner available

Sampling System

- High polished nano material sample/reagent probe
- High accuracy ceramic syringe
- Auto depth adjustment
- Liquid level detection, vertical and horizontal collision protection
- Maintenance free rotor with stable movement

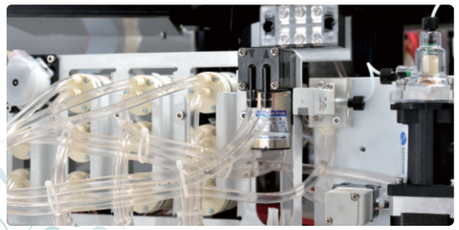


Anti-contamination Design

- 6-step wash station washes cuvettes with wash solution
- High polished nano material mixer
- Automatic probe and mixer washing
- Intelligent anti-contamination program

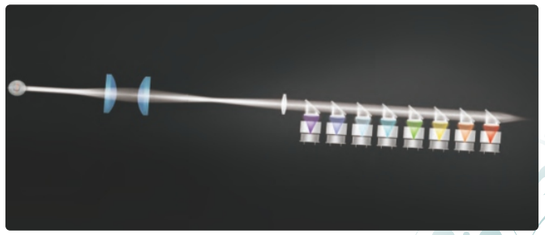
Fluid System

- Branded components including: IWAKI pump, SMC valve, Ceramic syringe Thomas peristaltic pump, Tygon tubing and CPC tubing couplings
- Built-in degasser ensures precise sampling



Optical System

- Halogen tungsten lamp with about 2000H life time
- Full-sealed matrix spectrometric system
- Simultaneously dual wavelength detection to avoid interference
- Silent water cooling design



Optional

- Internal PC with touch screen
- ISE Module: K^+, Na^+, Cl^-
- Barcode Reader

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