JUNEAU

UX200

Automatic Chemistry Analyzer

- Constant 200 Tests / Hour
- Benchtop Compact Design
- User-friendly Software

1+4 YEARS EXTENDED WARRANTY

CE

FEATURES

✓ 30 Sample Positions	✓ High Accuracy Optical Filters	✓ Low Water Consumption <5L/H
✓ 60 Reagent Positions	✓ STAT Function for Emergency Samples	✓ Air Bath Heating Incubation System
✓ 48 Reaction Cuvettes	✓ Collision Protection for Probes & Washing Arm	✓ Bi-directional LIS/HIS
✓ 2° - 8° C Ice-free Cooling System	✓ Independent Probe for Sample Mixing to Ensure Precise Results	✓ Integrated Barcode Reader for Sample & Reagent

STEDMAN
DIAGNOSTICS DIVISION

MINIMAL OPERATOR TIME

- ✓ Real-time monitoring of temperature, distilled water and waste
- ✓ One-key pause for sample & reagent disk during testing to add new samples and reagents
- ✓ Integrated bar code reader for sample & reagent

INCREASED PRODUCTIVITY

- ✓ 200 T/H constant throughput
- ✓ 48 reaction cuvettes and 20 dummy sample trays
- ✓ 62 on-board parameters

HIGH ACCACURACY & PRECISION

- ✓ 37± 0.1°C incubation by air bath heating system
- ✓ 2-8°C, 24 hours non-stop sample and reagent cooling system
- ✓ 0.25 µl sampling accuracy
- ✓ 12 wavelengths maintenance-free high resolution filters

REAL-TIME WORKFLOW MANAGEMENT

- ✓ Control all operations from main interface (routine, STAT, temperature, etc.)
- ✓ Multiple alarms, auto-retest and auto-dilution functions for over linearity or substrate exhausted samples
- ✓ Reaction curve is saved after every test
- ✓ Calculated results are available

MINIMAL INTERVENTION

- ✓ Auto clean cuvettes before & after testing
- ✓ Auto lamp sleep function to prolong life span
- ✓ Software data backup function
- ✓ Function to eliminate air bubbles from probe

HIGH QUALITY SYSTEM REAGENTS

- ✓ Ready to use SEDONA® UX SERIES system reagents
- ✓ Barcoded packaging for on-board use
- ✓ Multiple positions for same reagent, the analyzer will switch to the next one when one bottle is finished
- ✓ Specially formulated reagents for high reliability & precision

INSTRUMENT SPECIFICATION

Instrument Type	Fully automatic random access chemistry analyzer
Throughput	Constant speed 200 T/H
Testing Method	Endpoint, Kinetic, 2-Point Endpoint, 2-Point Kinetic
STAT Function	Emergency samples can be added during routine test

SAMPLE SYSTEM

Sample Disk	30 sample positions (including routine sample, calibration, QC and STAT positions)
Collision Detection	Probes and washing arm collision protection
Sample Probe	Inner & outer surface high polished probes with low carry over Liquid level detection and volume tracking function during aspiration
Sample Volume	2~35 µL, accuracy 0.25 µL

REAGENT SYSTEM

Reagent Disk	60 reagent positions
Cooling System	Independent 2~8°C 24 hours non-stop cooling system
Washing System	Warm water washing for both inner and outer surface of the probes
Reagent Probe	Inner & outer surface high polished probe with low carry over Reagent volume tracking function during aspiration
Reagent Volume	25~480 µL, accuracy 0.25 µL

OPTICAL SYSTEM

Light Source	Halogen lamp 12V/20W
Optical System	High resolution filters with 12 wavelengths 340nm, 380nm, 405nm, 450nm, 505nm, 546nm, 570nm, 605nm, 660nm, 700nm, 750nm, 800nm
Absorbance Range	- 0.5 to 6 Abs
Resolution	0.0001 Abs

REACTION SYSTEM

Reaction Cuvette	48 high permeable UV cuvettes
Washing System	6-probe washing with detergent
Mixing System	Independent stirrer
Reaction Volume	Minimum 150 µL for hard UV cuvette
Incubation System	Air bath heating 37 ± 0.1°C

CALIBRATION & QC

Calibration	Linearity calibration (single point, two points, multi points) Non-linearity calibration (Logit-Log4P, Logit-Log5P, exponential function, spline, exponential 5P, parabola, Weibull)
QC Rules	Westgard multi-rules, Levey-Jennings rules and diverse levels of QC

OPERATION SYSTEM

Operating System	Windows 7, 10
Testing Sequence	Programmable test sequence maximizes test speed and minimizes carry over
Advanced Features	Reaction reading points traceable after test cycle completion Auto-dilution for high concentration samples if it exceeds linearity Real-time monitoring of reaction process
LIS Protocol	Bi-directional LIS/HIS
Report	Various editable customized formats
Data Storage	Depends on PC host memory capacity

OTHERS

Dimension	740mm (L) x 535mm (W) x 510mm (H)
Weight	80 kg
Water Consumption	≤5 L/H during operation