

# FEATURES

## System function:

General:	Automatic, discrete, random access STAT sample priority
Throughput:	Up to 240 tests/hour
Principle:	End-point, fixed-time, kinetic
Methodology:	Linear/non-linear multi-point calibration

## Reagent/Sample handling:

Reagent/Sample tray:	60 reagent positions 60 sample positions in cooling compartment (2~12°C)
Barcode scanner:	Support sample barcode scanner(optional)
Reagent volume:	20~450ul, step by 0.1 ul
Sample volume:	2~60ul, step by 0.1 ul
Reagent/Sample probe:	Liquid level detection and tracking Collision protection Inventory checking
Probe cleaning:	Automatic washing of interior and exterior Carry-over < 0.5%
Automatic dilution:	Pre-dilution and post-dilution Dilution ratio up to 1: 200

## Reaction system:

Cuvette:	Rotating tray, containing 81 cuvettes Reusable cuvettes
Reaction volume:	150~500ul
Reaction temperature:	37.0°C ± 0.1°C
Mixer:	Stand alone mixing bar
Cuvette washing:	6-step washing station(optional)

## Optical system:

Light source:	Halogen tungsten lamp
Photometer:	Maintenance-free sealed photometer, rear spectrophotometry by filter
Wavelength:	8 wavelengths: 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 670nm
Maximum Abs:	up to 4.0 Abs, relative bias ≤ ± 5%

## Control and calibration:

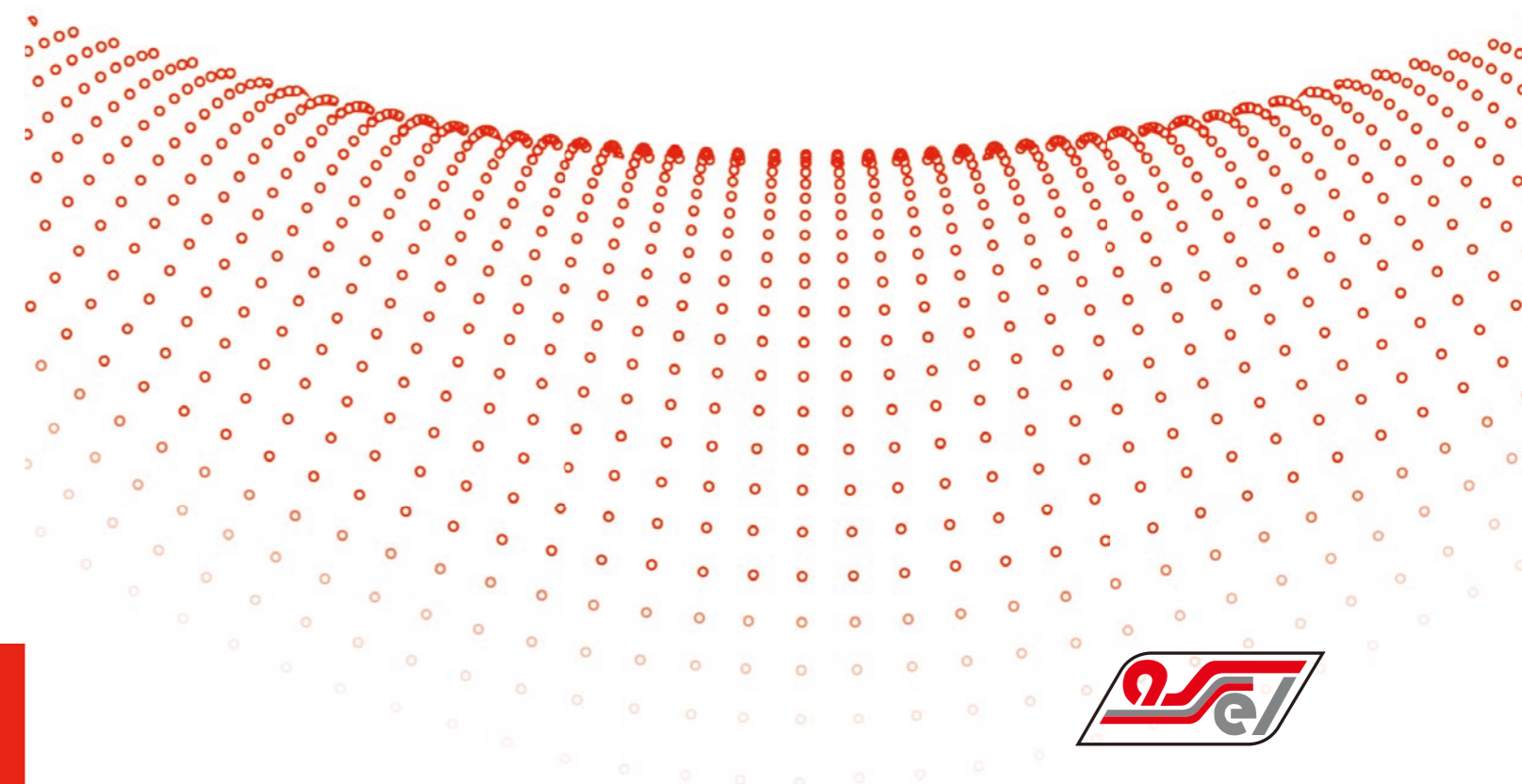
Calibration:	Linear, Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial
Control:	Westgard multi-rule, Cumulative sum check, Twin plot, L-J Chart

## Working condition:

Operation system:	Win 7 or Win 8 or Win 10
Communication:	Support LAN and Ethernet RJ45
Power supply:	AC 100~240V, 50/60Hz, ≤450VA
Temperature:	10-30°C
Humidity:	30-85% RH
Water consumption:	≤6.2 L/H
Dimension:	880mm (W) x 650mm (D) x 570mm (H)
Weight:	110kg

# AS830 Plus

Auto Chemistry Analyzer



# FEATURES

## AS830 Plus

Auto Chemistry Analyzer

AS830 Plus is the enhanced auto chemistry analyzer. A flexible chemistry solution for small and middle sized laboratories. It is a new benchtop chemistry analyzer which is more compact and high-efficient.

### General feature

Random access, fully automated, STAT  
Throughput: Up to 240 test per hour  
60 reagent positions and 60 sample positions  
81 reaction positions

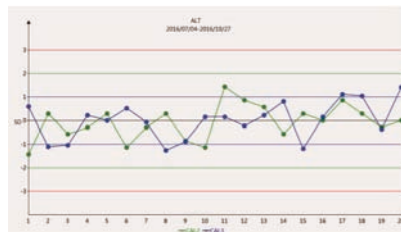
### Optional

6-step wash station  
Sample barcode scanner



### User-friendly software

Easy operation with intuitive navigation  
One click to import data and backup  
Auto dilution and rerun



### Powerful functions

Reagent management, easy to know remaining tests, volume, expired date  
Results distribution statistics, help to analyse local reference range  
Multi-QC graphs: Westgard, Cum sum, Twin plot  
Support LAN and Ethernet RJ45 communication with PC

### Optical system

Halogen tungsten lamp with >2000H life time  
Completely sealed spectrophotometer by filter  
Simultaneously dual-wavelength detection  
Auto gain adjustment to assure stable optical system



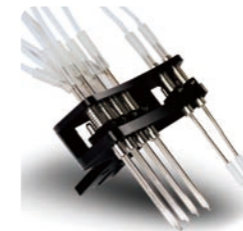
### Sampling system

One probe and one mixer bar  
Maintenance-free rotor with stable movement  
Auto depth adjustment  
Liquid level detection, collision protection



### Sample & reagent disk

24-hour reagent refrigerator: 2-12°C  
60 reagent positions  
60 sample positions with STAT priority



### Reaction system

81 reaction cuvettes  
Constant solid heating  
Reaction temperature: 37°C±0.1°C  
Reaction volume 150-450ul  
6-step wash station (optional)



### Realtime monitoring

Status monitoring  
Realtime water blank test  
Realtime dirty cuvette detection, avoid extra operation

### Complete diagnostic solution

Independent reagent center allow us to dedicate in the R&D of reagent  
All facilities meet ISO 9001 and ISO 13485 standard  
Comprehensive selection of reagents, including hepatic panel, renal panel, pancreatic panel, lipid panel, cardiac panel, etc  
Matched calibrators and controls are provided upon request

