



www.zygon.ca | info@zygon.ca

CHEMISTRY ANALYZER **ZCA-100 ABA**



Fully Automatic Chemistry Analyzer

CE



Key Features



Constant 120 test / hour with double reagent. 80 reagent positions



Automatic liquid level sensing, anti-collision protection



Maintenance free semiconductor solid state refrigeration



Integrated full closed optical system, multi wavelength simultaneous detection



Friendly surface and easy to operation



New amorphous optical plastics reaction cups, perfect transmittance



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



Excellent Mixer Design

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



Reagent & Sample Tray

- 80 reagent positions (40 for RI, 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)



Advanced Operating System

- User friendly software interface simple, easy-to-operation
- 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

Fully Automatic Chemistry Analyzer



Reaction Tray

- 50 disposable cuvettes
- Reaction volume as low as 150 μl
- Stable & accurate temperature ($37\pm 0.1\text{ }^\circ\text{C}$) for reaction



High Precision Ceramic Syringe

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

Specifications

Specifications		
General Information	Machine type	Random access, open reagent & locked reagent (optional)
	Test speed	Constant 120 tests/hour (Mono reagent or double reagent)
	Test principle	Colorimetric, 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. (2 -13)mm × (25-100)mm
	Sample volume	2-30 μl step by 0.1 μl
	Sample probe	Liquid surface detection, timely tracking for liquid volume. Collision avoidance
	Probe cleaning	Automatic washing for both interior and exterior, carry-over < 0.05%
	Sample barcode	Sample barcode reader (optional)

Specifications

Reagent Unit	Reagent tray	80 reagent positions (40 for R1 & 40 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2 $^\circ\text{C}$ -14 $^\circ\text{C}$, open system, could accept any reagent.
	Reagent volume	20-300 μl , step by 1 μl
	Reagent needle	Liquid surface detection, timely tracking for liquid volume. Collision avoidance.
	Probe cleaning	Automatic washing for both interior and exterior, carry-over <0.05%
	Regent barcode	Regent barcode reader (optional)
Reaction Unit	Reaction tray	50 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance.
	Reaction volume	150 μl -330 μl
	Reaction time	10 minutes
	Temperature	Peltier pad incubation system, reaction temperature (37 $^\circ\text{C}$ \pm 0.1 $^\circ\text{C}$)
Mixing System	Mixer	Paddle-type mixing, surface teflon treatment, wash before and after 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
	Operating System	Operation system
Working Conditions	Report printing	6 formats optional, support custom pattern
	Interface	TCP/IP network interface
	Electricity	AC 110/220V \pm 10%, 50/60 Hz
	Water consumption	2.5L/hour (maximum)
	Dimension(L*W*H)	750mm × 550mm × 475mm
	Net weight	45.4kg
Language	All languages customizable	

For more information drop us an email at info@zygon.ca