# clarenzon

*Laboratory solutions made easy*

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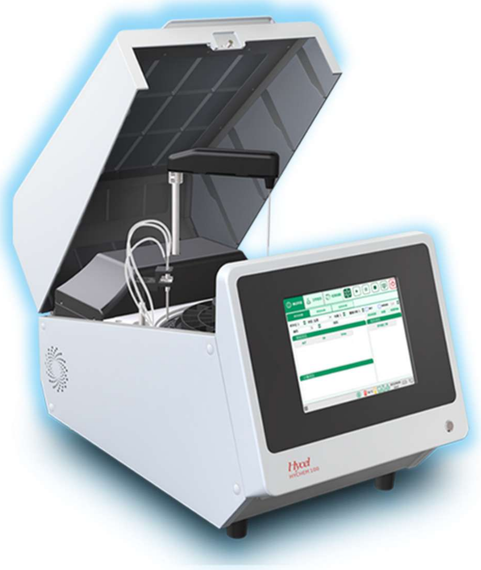
# Hycel HYCHEM 100

## Auto Chemistry Analyzer



- *Perfect for low volume laboratories*
- *User-friendly automation enhances workflow, and lessens manual labor*
- *More economical due to low water consumption*
- *Reliable results as a result of good quality reagents*

## Specifications

### System Function

**General:** Benchtop, automatic, discrete,random access, STAT sample priority.

**Throughput:** Up to 100 tests per hour.

**Principle:** Colorimetry and turbidimetry

**Methodology:** End-point, fixed-time, kinetic, etc.

**Programming:** Open or closed system on demand.

### Reagent/Sample handling

**Reagent/Sample tray:** 40 reagent positions 20 sample positions

**Reagent volume:** 10-300 µL, step by 1 µL

**Sample volume:** 1-40 µL, step by 0.1 µL

**Reagent/ :** Liquid level detection,

**Sample probe:** vertical & horizontal collision detection and reagent inventory monitoring

**Probe cleaning:** Auto interior and exterior wash

### Reaction system

**Reaction tray:** 81 reusable cuvettes, auto cuvette washing station

**Reaction volume:** 150-750 µL

**Reaction temperature:** 37 ± 0.1°C

**Heating method:** Solid heating

### Optical system

**Light source:** Halogen tungsten lamp

**Wavelength:** 8 wavelengths: 340, 405, 450, 510, 546, 578, 630, 660nm (precision ±2nm)

**Absorbance:** 0-4.5 Abs

### Calibration and Control

**Calibration:** K-factor, Linear, Spline, Logit-Log 4P, Logit-Log 5P, Exponential, Polynomial

**Control:** Westgard multi-rule, Cumulative sumcheck, Twin plot, L-J Chart

### Operation system

**Computer:** Built-in operation system - Linux

**Screen:** 10.4 inch color touch screen

**Data storage:** 100,000 results

**Printer:** Built-in and external printer

**Others:** Soft keyboard Compatible with keyboard and mouse

**Interface:** Ethernet, USB, etc.

### Working condition

**Power supply:** 8AC 100~240V, 50/60Hz, ≤ 150VA

**Temperature:** 10-30°C

**Humidity:** ≤85%

**Dimension:** 384mm*640mm*410mm (Width*Depth*Height)

**Weight:** 30 Kg

**Water consumption:** ≤ 1 L/H

**Photometer:** Maintenance-free photometer,rear spectrophotometry by filters

FDA CE INGSP