

# CONTEC



## LIGHT THE RHYTHM OF LIFE WITH TECHNOLOGY



## Semi-auto Biochemistry Analyzer

### BC300

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without prior notification. CMS2.782.140EXC/1.3 1.4.03.11.099



# Semi-auto Biochemistry Analyzer

## BC300



Touch screen



Large capacity data



Thermal printing



Reagent unlimited



Accurate measurement



Power failure protection



The device measures biochemical indexes by analyzing blood and other body fluid, then combines with other clinical information, to help diagnose disease, evaluate organs function, identify disease gene and determine the norm for future therapy.

## Function

- Based on Linux operating system, color graphical interface. Operate by touch screen, function keys or external USB mouse, keyboard.
- Optional measurement methods (End point, Two-point, kinetics, double wavelength, etc.) and calculation methods (factor, linear regression, non-linear regression, etc.).
- Store 500 test items and 10000 test results, with multiple print modes and reports.
- Each item can be set quality control of two batch No. Automatically statistic and draw QC chart, store QC data and chart within one year, which can be checked and printed.
- Auto-dormancy for the lamp to prolong its life.
- Power-off protection function: automatically save measurement results.
- Self-check function: alarm for light path, liquid path and mechanical components failure.
- Standard communication interface, convenient for data transmission and processing.
- Support Chinese, English, Spanish, Portuguese four languages.

## Physical characteristic

- Dimension: 410mm(L) × 340mm(W) × 150(H)mm
- Weight: 6 Kg

### Working environment

Temperature: 10°C~30°C  
Relative humidity: ≤80%  
Atmospheric pressure: 860hPa~1060hPa

### Transportation and storage:

Temperature: -40°C~55°C  
Relative humidity: ≤95%  
Atmospheric pressure: 860hPa~1060hPa

## Performance

- Absorbency range: -0.3-3.0Abs
- Resolution: 0.001Abs(display), 0.0001 Abs(internal calculation)
- Light source: Halogen lamp
- Wavelength: 340, 405, 510, 546, 578, 620nm + 2 free positions
- Stability: ≤0.005A/30min
- Half-bandwidth: ≤12 nm
- Temperature control: room temperature, 25°C, 30°C, 37°C
- Temperature accuracy: ±0.1°C
- Colorimetric cell: 30μl quartz flow cell
- Sample volume: 0~6000μl
- Cross contamination: ≤1.0%
- Storage: 500 test items, 10000 test results
- Interface: standard RS232 interface, 4 USB interfaces, Ethernet interface
- Display: 7" color LCD(1024\*600)
- Print: built-in thermal printer or connect external printer
- Processor: embedded high-speed processor
- Power supply: 100VAC~240VAC, 50/60Hz

## Accessories

- A recording paper
- Two fuses
- A power cord
- A halogen lamp
- A pipette
- A pump pipe