

Caretium

ISO 13485:2003 (04708Q10000157)
ISO 9001: 2000 (04708Q10163R1S)



NB-201

● Chemistry Analyzer



NB-201

Chemistry Analyzer



Features

- End point ,kinetics, fixed time absorbance
- All-in-one optical system, high reliability and anti-interference
- 7 filters (340nm~630nm) + 1 free position
- Reaction curve and QC graph print-out
- Dynamic temperature control of Peltier elements , 25°C , 30°C , 37°C
- Up to 112 test profiles can be programmed
- Memory for 3200 sample results
- Touch screen , large LCD display



Specifications

● LIGHT SOURCE

Quartz-halogen lamp 12V/20W

● WAVELENGTH RANGE

Automatic by 8 positions filter-wheel
7 standard filters : 340nm, 405nm, 492nm, 510nm, 546nm, 578nm, 630nm
1 position free for optional filter
Half bandwidth < 8 nm
Stray light : < 0.3% at 340nm

● PHOTOMETRIC RANGE

0.0000 to 3.0000 ABS
Resolution : 0.0001 ABS
Stability : 0.002 A/hour

● FLOWCELL

Stainless steel with quartz window
Measuring volume 32 μ l
Optical path 10mm
Aspiration volume programmable : 200~3000 μ l
Carryover < 1.0%

● ANALYSIS METHOD

End point , with or without reagent blank ,

End point ,with sample blank, with or without reagent blank
Kinetic , with or without linearity check
Two-point kinetic /fixed time , with or without reagent blank
Absorbance
Turbidimetry
Linear and non-linear calibration

● PARAMETER SETTINGS

Method
Wavelength
Temperature
Reagent blank y/n
Sample blank y/n
Lag time
Measurement time
Reaction time
Absorbance limit
Aspiration volume
Standards
Linearity check
Unit for results

● MEMORY

112 test profiles
3200 sample results

● TEMPERATURE CONTROL

By means of Peltier elements
25°C, 30°C, 37°C $\pm$ 0.1°C

● INPUT

Touch screen

● DISPLAY

Large LCD display

● PRINT

Built-in thermal recorder

● INTERFACE

RS-232 serial port

● OPERATING ENVIRONMENT

Temperature : 10°C ~30°C
Humidity : $\leq$ 70%
POWER REQUIREMENT
AC 220V / 110V $\pm$ 10%, 50Hz $\pm$ 2%

● DIMENSION

420 mm (H) $\times$ 380 mm (W) $\times$ 170 mm (D)

● WEIGHT

8.5 kg