



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

# NB-201D



- New-generation semi-auto chemistry analyzer offering simultaneously :
  - Color LCD Screen
  - Flow Cell
  - Powerful data storage



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# NB-201D



## ● Semi-auto Chemistry Analyzer

### Specifications

- **LIGHT SOURCE:** Quartz-Halogen lamp 12V/20W
- **WAVELENGTH RANGE**  
Automatic by 7 positions filter-wheel  
7 standard filters: 340nm, 405nm, 492nm, 510nm, 546nm, 578nm, 630nm,  
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  $\mu$ L  
Optical path 10mm  
Aspiration volume programmable : 200~2000 $\mu$ L  
Carryover < 0.5%
- **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  
Mono and Bichromatic readings are possible.
- **INPUT**  
Large Colour LCD Touch-Screen 7.0" TFT

- **MEMORY**  
26 test profiles  
up to 110,000 Sample results  
Up to 210 open programs
- **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
- **TEMPERATURE CONTROL**  
By means of Peltier elements  
25°C, 30°C, 37°C  $\pm$ 0.1°C
- **PRINT:** Built-in thermal recorder
- **INTERFACE:** RS-232 serial port  
Input/Output: USB port can be used to upgrade software ver:  
Printout: Built-in thermal recorder  
Display: Large color LCD display, 7.0" TFT, Resolution
- **OPERATING ENVIRONMENT**  
Temperature : 10°C ~30°C  
Humidity :  $\leq$ 70%
- **POWER REQUIREMENT**  
AC 220V / 110V  $\pm$  10%, 50Hz  $\pm$  2%
- **DIMENSION:** 420mm(H) x 380mm(W) x 170mm(D)
- **WEIGHT:** 8.5 kg

### Features

- End point ,kinetics, fixed time absorbance, turbidimetry
- All-in-one optical system, high reliability and anti-interference
- 7 filters (340nm~630nm)
- Reaction curve and QC graph print-out
- Dynamic temperature control of Peltier elements , 25°C , 30°C , 37°C
- Up to 210 test profiles can be programmed
- Memory for 110,000 sample results
- Touch screen , 7.0" TFT, Large color LCD display
- Easy-to-use operation and minimum daily maintenance
- Real-time monitor of reaction curve/data

