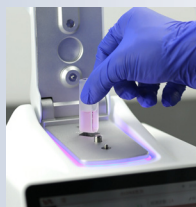
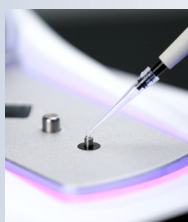
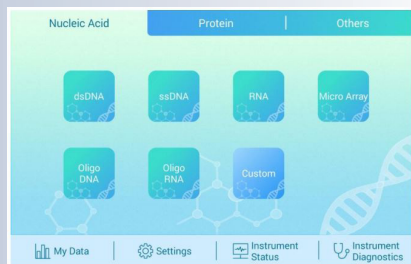


BOECO MICRO UV-VIS SPECTROPHOTOMETER MODELS N-1 TOUCH & N-1C TOUCH



The BOECO N-1 / N-1C Touch Micro volume (UV-Vis) spectrophotometers with built-in 7-inch color touch screen, can complete all detection functions without connecting a computer, display test results in real time, store historical data, and export to a computer. The Android operating system, optimized for the touch operation habits, improves the operating feelings. The integrated design and compact size are ideal to save the space in the crowded laboratories, or as the in-vehicle mobile inspection device. It can be applied to the concentration detection of nucleic acids, proteins, bacterial cell cultures, etc., as well as the absorbance measurement of unknown samples.

The variable path length of the N-1C Touch Micro UV-Vis Spectrophotometer realizes both the minimum sample volume pedestal detection as low as 0.5 μ L, suitable for precious samples, and the detection to the high concentration samples without dilution at all. Including the liquid drop, it builds in the standard cuvette detection module for more use.

Features

Large size colour touch screen

Built-in-7-inch high resolution color touch screen for more detection information, all operations can be done on the screen.

Two models in one (N-1C Touch)

Pedestal Micro volume or cuvette mode, to meet the flexible detection need. The cuvette module has a heating stirrer.

Wide detection range

The 0.03 minimum detection path length, combined with a new generation spectrophotometer, increases the maximum detection concentration to 27,500 ng/ μ l and the lowest detection concentration as low as 0,2 ng/ μ l

Stability for long life

Long-life xenon flash lamp of Hamamastu ensures stability of detection and the long life of the instrument.

The lifting detection base with sliding bearing structure has high precision, not easy to damage.

Ultra-wide wavelength range

With continuous wavelength range as 185-910nm, the instrument can detect various samples through selecting any band. It adapts to a variety of detection requirements with wide range of near infrared wavelength.

»ccurate path length

The stepper motor combined unique double track technology (DPTL), allows the precision of optical path length as 0.001mm, thus to achieve highly repeatability of absorbance detection.)

Cuvette detection mode (N-1C Touch)

The cuvette detection mode comes with magnetic stirring function. User can set the heating function and stirring speed for dynamic analysis detection.

And the user can define different path length, such as 1mm, 2mm, 5mm, 10mm.

»ndroid operating system

The spectrophotometer has a built-in operating system and detection software, without need of a computer. Graphical touch operation is in line with user friendly design and improves work efficiency.

Light status

The lighting strip around the test stand flashes with different states to show the detection process straightforwardly

Multi-functions

Nucleic acid detection

Built-in common calculation formula of dsDNA, ssDNA, RNA, Oligo-DNA, Oligo-RNA, can get the concentration and purity of samples automatically.



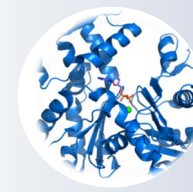
NUCLEIC ACID DETECTION

UV visible custom scanning

In the full wavelength range, set the detected wavelength through increasing or decreasing wavelength with 1 nm as expected.

Nucleic acid fluorescence marker detection

Preinstall extinction factor of commonly used fluorescent dyes of dsDNA, ssDNA, RNA, Oligo-DNA, Oligo-RNA.



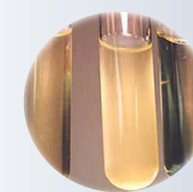
PROTEIN DETECTION

Protein detection

Can detect the concentration of protein solution, or detect protein concentration of dye marker. Built-in common detection methods of BCA, Bradford, Lowry, Pierce 660nm.

Cell detection

Can detect absorbance value at 600nm automatically. Meanwhile, it can detect absorbance value at any band under set wavelength range.



CELL DETECTION

Code	Description
BOE 8638000	Model N-1 Touch micro UV/Vis Spectrophotometer, with pedestal microvolume mode
BOE 8638100	Model N-1C Touch micro UV/Vis Spectrophotometer, with pedestal microvolume and cuvette mode

Research use only

Specification	N-1C touch	N-1 touch
Parameters		
Detector		2048-element liner CCD array
Light Source		Xenon flash lamp
Mini.Sample Amount (µl)		0.5
Pathlength (mm)		0.03, 0.05, 0.1, 0.2, 1.0 auto ranging
Wavelength Range (nm)		185-910
Wavelength Accuracy (nm)		±1
Spectral Resolution (nm)		≤1.8(FWHMat Hg 253.7nm)
Photometric Accuracy		0-550 (10 mm equivalent)
Measurement Repeatability		0.002 (1mm optical length)
Limit of Detection		Pedestal: 2ng/µl ds DNA, 0,006 mg/ml BSA, 0,03 ng/ml IgG
Maximum Concentration		Pedestal: 27.500 ng/µl ds DNA, 820ml/ml BSA, 400 mg/ml Lg
Limit of Detection		2ng/µl dsDNA
Measurement Time		5 Sec.
Cuvette Mode	Heating Temp.()	NA
	Cuvette Stirring Speed (RPM)	NA
	Cuvette photometric	NA
	Cuvette Limit of Detection	NA
		0.2ng/µl dsDNA, 0,006mg/ml BSA, 0,003 mg/ml LgG
Display		7 inch, 1280 x 800 high definition LCD
Internal storage		32GB flash memory
PC software requirements		Windows 7:32/64 bit, Windows 8/10 64 bit
Data transfer & PC connecting		USB; Wifi
Power		AC110V-220V 50HZ/60HZ (Power adapter)
Net Weight		2,3