



Microspectrophotometer

Model : DD01Pro

Micro-Volume & Cuvette

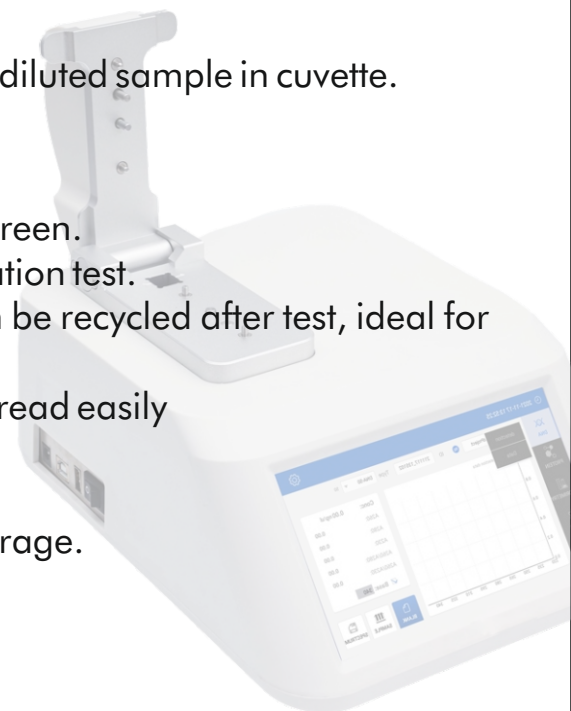
Du-drop is a UV and Visible spectrophotometer, utilized to test purified nucleic acid and protein. With pre-installed software and touch screen, it can measure sample volume of 0.5~2 μ l, which is precise and repeatable.

Sample is shaped liquid column between the upper and lower pedestals due to surface tension, it allows high concentration sample can be measured without dilution. Benefit from the working principle (200~800nm) Du-drop, can measure high concentration samples.

The device equipped with cuvette slot to enable measure diluted sample in cuvette.

Features

- Friendly Android operation system, 7-inch touched screen.
- Cuvette slot available for bacteria/microbe concentration test.
- Only 0.5 ~ 2 μ l sample volume requested, which can be recycled after test, ideal for precious samples
- Measurement without dilution, test result display and read easily
- Long life's Xenon flash lamp
- Reliable and quick data USB output for analysis.
- No computer required for measurement and data storage.
- Image and excel table can be output.
- External printer is optional





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Technical Specification

Wavelength Range	200 - 800 nm
Wavelength Accuracy	1 nm
Minimum Sample Size	0.5~2.0 μ l
Path Length	0.05 mm, 0.2 mm, 1.0 mm
Light Source	Xenon flash lamp, long life
Detector	Linear silicon CCD array
Spectral Resolution	\leq 3nm (FWHM at Hg 546nm)
Absorbance Precision	0.003 Abs
Absorbance Range	0.02 - 300 A (10 mm equivalent)
Absorbance Accuracy	1 % (7.332 Abs at 260 nm)
Detects Nucleic acid up to	2 ~ 15000 ng / μ l (ds DNA), High range without dilution
Measurement Time	< 6s
Cuvette (OD 600)	0 - 12 A
Sample Pedestal Material	304 Stainless Steel and Quartz fiber
Operation System	Android
Data Export	USB Stick, Image and Excel Table can be exported
Operating Voltage	12 V DC
Operating Power Consumption	48 W, 5 W standby
Dimension (mm)	270 \times 210 \times 196 (mm)
Weight	3.5 kg