

MaestroNano



MICRO-VOLUME SPECTROPHOTOMETER

MaestroNano is a specialized instrument for bio-chemical research , especially for micro-volume solution concentration measurement.

MaestroNano has a whole new technology of optical system design. There is NO optical fiber needed. Moreover, with the vertical slide design, the sample measuring area is more durable and stable.

MaestroNano has a reliable measurement range of concentration from 2 to 2000 (ng/ μ L) and has a great resistance for the interferences of ambient light to get more accurate measurement.

Specification

Measurement Sample Size	2 ul
Measurement Data Output	(A)OD230nm, OD260nm, OD280nm, OD320nm (B)Sample concentration (ng/ul) (C)OD260nm/OD230nm, OD260nm/OD280nm
Minimum Concentration	2 ng/ul (dsDNA), 1.6 ng/ul (RNA)
Maximum Concentration	2,000 ng/ul (dsDNA), 1,600 ng/ul (RNA)
Light Propagation Material	Quartz glass
Absorbance Range (10mm)	0.04 ~ 40
Pathlength	~0.5 mm
Measurement Time	< 5 sec
Operation System	Android OS (ver. 4.4.3)
LCD Resolution	7 inches, 1024(W)x 600(H) dots matrix
Light Source	Xenon flash lamp
Internal Storage	32GB
Data Output Interface	Thermal printer
Data Connection interface	1. Wi-Fi x 1 (USB dongle) 2. OTG USB x 1 (connected to PC to access) 3. Ethernet x 1 (RJ-45) 4. USB x 1
Maintenance	Auto diagnosis, Calibration Program, Fix pathlength
Operating Voltage	12 V
Dimensions	20(W) X 21(D) X 33(H) cm
Weight	3.5 Kg

