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Link do produktu: <http://www.novazym.sklep.pl/nano-spektrofotometr-nanogenius-novazym-polska-p-3791.html>



Nano Spektrofotometr (NanoGenius) Novazym Polska

Dostępność

Dostępność - 3 dni

Numer katalogowy

N-GENIUS1

Opis produktu

Spectrophotometer

Nano Genius



Description:

- Nano Genius spectrophotometer is a multifunctional instrument intended for measurement of low volume samples from 0,2 to 2,0µl. Nano Genius spectrophotometer is used in life science laboratories for DNA and protein analysis, kinetic studies and many other applications.

Functions:

- Photometry – Display results as Abs, %T or Concentration.
- Quantitation – We provide 2 methods to establish a Standard Curve: **1)** 2 methods to set up the regression curve. Up to 10 standard samples to calibrate the regression curve. **2)** 3 methods for curve fit. Linear fit, Quadratic fit and Cubic fit.
- Wavelength Scan – Allow user to set scan step (0.1, 0.2, 0.5, 1.0 and 5.0nm). Spectrum display mode can be changed (Wavelength-%Transmittance or Wavelength-Absorbance).
- Kinetics – Allow user to set scan Interval (0.5, 1.0, 2.0, 5.0, 10, 30 and 60s). Spectrum display mode can be changed (Time-%Transmittance or Time-Absorbance).
- DNA/Protein – Measurement Wavelength points and ratios can be set up. Results will be grouped into a table format automatically.
- Multi-wavelength – Up to 20 wavelength points can be set up. Results will be grouped into a table format automatically.

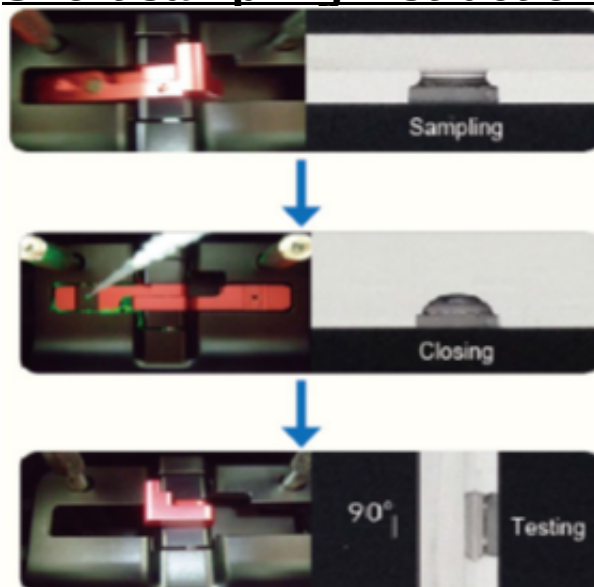
Features:

- Small volumes:**
Use 0,2 to 2,0µl sample volume.
- Fast:**
One Step, One Movement – Drop, close and turn around measure directly from 190-1100nm.
- Accurate:**
No light loss for whole testing – All light goes through sample to avoid loss and make the result more accurate.
- Easy Cleaning:**
No special material needed - Just use the cotton swab to clean the sample solution.
- Economic:**
Special design to make low cost.
- Multi-function:**
More function than special low volume testing - Quantitative, Wavelength Scan, Kinetics, Multi-Wavelength.

Parameters:

Project:	Parameters:	Project:	Parameters:
Optical System	Single beam;	Stability	±0.002A/h@500nm;
Wavelength Range	190—1100nm;	Work Mode	Photometry, Quantitation, Kinetics, Wavelength Scan, DNA/Protein, Multi Wavelength;
Wavelength Accuracy	±0.5nm;	Interface	USB, Parallel(printer);
Wavelength Repeatability	0.3nm;	Power Requirement	AC 110/220V, 50/60Hz;
Photometric Range	-0.3 – 3A, 0 – 200%T;	Dimensions	490×360×240;
Photometric Accuracy	±0.5%T;	Weight	14kg;
Photometric Repeatability	0.3%T;		
Spectral Bandwidth	2nm;		
Stray Light	0.05%T@220nm&360nm;		

Short sampling instruction:



technical specification (small volume)

SMALL VOLUME OPTION

Path Length	0.5mm
Minimum Sample Size	0.2?2.0?l
Display Concentration Range	2.5?7500 ng/?l (dsDNA)
Lower Limit of Detection	10 ng/?l
Maximum Concentration	5000 ng/?l (dsDNA)
DNA Reproducibility	??1.0%(dsDNA,at 1000 ng/?l)
SPECTROMODULE	
Wavelength Range	190-1100nm
Spectral Bandwidth	4.0nm
Optical System	Single Beam, Grating 1200 lines/mm
Wavelength Accuracy	?0.5nm
Wavelength Repeatability	0.3nm
Scan Speed	Hi,MED,LOW,MAX.3000nm/min
Photometric Accuracy	?0.5%T or ?0.004A@1A
Photometric Range	0-200%T,-0.3-0.3A,0-9999Conc
Stray Light	0.05%T@220,340nm
Stability	?0.0008A/h@500nm
Display	5 inches LCD (320*240 dots)
Baseline Flatness	?0.002A

Light Source	Halogen&Deuterium lamp (pre-aligned)
Output	USB Type A port for USB memory device (right side) USB Type B port for optional computer connectivity (back) Parallel port for printer
Power Requirement	AC 110/220V 50/60HZ
Dimensions(L*W*H)	491*365*180MM
Weight	14kg