





Enjoy the Power of Options

NanoPhotometer® Comparison Guide

Spectroscopy a la carte

	NP80	N60	N50	C40
Model				
	Nanovolume + Cuvette	Nanovolume	Nanovolume	Cuvette
Full Spectrum Scan	200 - 900 nm	200 - 900 nm	200 - 650 nm	200 - 900 nm
Resolution	< 1.8 nm	< 1.8 nm	5 nm	<1.8 nm
Detection Range Nanovolume	dsDNA: 1 - 16,500 ng/μl BSA: 0.03 - 478 mg/ml	dsDNA: 1 - 16,500 ng/μl BSA: 0.03 - 478 mg/ml	dsDNA: 5 - 7,500 ng/μl BSA: 0.15 - 217 mg/ml	Upgradable with SMC
Detection Range Cuvette	dsDNA: 0.1 - 130 ng/μl BSA: 0.003 - 3.7 mg/ml	N/A	N/A	dsDNA: 0.1 - 130 ng/μl BSA: 0.003 - 3.7 mg/ml
Path Lengths	0.67 and 0.07 mm	0.67 and 0.07 mm	0.67 and 0.07 mm	10 mm
Touchscreen	Optional	Optional	Optional	Optional
Customizable Methods	●	●	●	●
Nanovolume Capability	●	●	●	Optional
Built-in Cuvette	●	○	○	●
Built-in Vortex	●	●	○	○
Kinetic Studies in a Drop	●	●	●	Optional
Built-in Battery Pack	Optional	Optional	○	Optional
Built-in File Server	●	●	●	●
Flexible Unit Control (Win, Mac, iOS, Android)	●	●	●	●

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	Nanovolume + Cuvette	Nanovolume	Nanovolume	Cuvette
Ultimate Data Security	●	●	●	●
Multi Language User Interface	●	●	●	●
Blank Control™	●	●	●	●
Sample Control™	●	●	●	●
Wifi, Hotspot, LAN HDMI, USB A/B	●	●	●	●
Universal Data Output Excel and PDF	●	●	●	●
IQ/OQ Package	●	●	○	●
Free from Reconditioning	●	●	●	● with microvolume option
Free from Recalibration	●	●	●	●
Free from Regular Maintenance	●	●	●	●
32 GB Onboard Memory	●	●	●	●
Barcode Ready	●	●	●	●

Features and specifications are subject to change without notice.

"I love these machines. They make my job easier."

Rating: 5.0 ★★★★★

Application Area: Teaching lab/upper divisional Bioc lab

"We have 8 and I am very pleased with how **easy** they are to use. This is a new product for our students and they are able to follow the directions we give them and get results. With any new piece of equipment, there is a learning curve, but it's a small one once they are comfortable using them. I like the fact that they are easy to demo, easy to install updates, and easy to troubleshoot. Compared to our old specs, these **save the students time**, they get results quickly, each group has their own NanoPhotometer at their station... My sales rep is fantastic"

Barbara Pinch
Organization: University of Minnesota

"Great results and very accurate!"

Rating: 5.0 ★★★★★

Application Area: Protein assays and concentrations

"I love love love this machine. It's **portable**, idiot proof, and **accurate**. For its DNA analysis, it is much more accurate than the old familiar... I love the fact that it is so modifiable and easy to use. We use it for a variety of functions in the lab, including **Bradford assays**. I really love that there is a **built-in graph** for these and that you can email it to yourself or save on a USB stick. This machine is the thing we have all been needing but never knew we missed. Also the customer care is outstanding and I look forward to our rep every time she comes."

Andrea Kuipers
Organization: California Institute of Technology