

Enjoy the Power of Options

# NanoPhotometer® Comparison Guide

Spectroscopy a la carte



	<b>N120</b> 12 Channel NanoVolume	<b>NP80</b> NanoVolume & Cuvette	<b>N60</b> NanoVolume	<b>N50</b> NanoVolume	<b>C40</b> Cuvette
Sample Number	12	1	1	1	1
Minimum Sample (µl)	2 - 3.5	0.3 - 2	0.3 - 2	0.3 - 2	0.3 - 2
Full Spectrum Scan (nm)	200 - 900	200 - 900	200 - 900	200 - 650	200 - 900
Measure Time per Sample (sec)	1.7 - 2.5 20 sec full scan	2.5 - 4	2.5 - 4	2.5 - 4	2.5 - 4
Resolution (nm)	< 2.5	< 1.8	< 1.8	5	<1.8
Detection Range dsDNA (ng/µl)	2 - 8,000	1 - 16,500	1 - 16,500	5 - 7,500	Upgradable with SMC
Detection Range BSA (mg/ml)	0.06 - 230	0.03 - 478	0.03 - 478	0.15 - 217	Upgradable with SMC
Detection Range Cuvette dsDNA (ng/µl)	N/A	0.1 - 130	N/A	N/A	0.1 - 130
Detection Range Cuvette BSA (mg/ml)	N/A	0.003 - 3.7	N/A	N/A	0.003 - 3.7
Path Lengths (mm)	1 & 0.125	0.67 & 0.07	0.67 & 0.07	0.67 & 0.07	10
Built-in Cuvette	○	●	○	○	●
Built-in Vortex	○	●	●	○	○
Internal Storage (GB)	128	32	32	32	32
Touchscreen	●	Optional	Optional	Optional	Optional
Built-in Battery Pack	Optional	Optional	Optional	○	Optional



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CFR21 Software	Optional	Optional	Optional	<input type="radio"/>	Optional
IQ/OQ Package	Optional	Optional	Optional	<input type="radio"/>	Optional
Customizable Methods	●	●	●	●	●
NanoVolume Capability	●	●	●	●	Optional
Kinetic Studies in a Drop	●	●	●	●	Optional
Flexible Unit Control	●	●	●	●	●
Multi Language User Interface	●	●	●	●	●
Blank Control™ and Sample Control™	●	●	●	●	●
WiFi, HotSpot, LAN HDMI, USB A/B	●	●	●	●	●
Built-in File Server	●	●	●	●	●
Universal Data Output, Excel and PDF	●	●	●	●	●
Free from Recalibration	●	●	●	●	●
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