

Enjoy the Power of Options

NanoPhotometer® Comparison Guide

Spectroscopy a la carte



	N120 12 Channel NanoVolume	NP80 NanoVolume & Cuvette	N60 NanoVolume	N50 NanoVolume	C40 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	< 1.5	< 1.5	3	< 1.5
Detection Range dsDNA (ng/µl)	2 - 8,000	1 - 16,500	1 - 16,500	5 - 7,500	○
Detection Range BSA (mg/ml)	0.06 - 230	0.03 - 478	0.03 - 478	0.15 - 217	○
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, 5, 2, 1, 0.5
Built-in Cuvette	○	●	○	○	●
Built-in Vortex	○	●	●	○	○
Internal Storage, GB	128	64	64	64	64
Touchscreen	●	Optional	Optional	Optional	Optional
Built-in Battery Pack	Optional	Optional	Optional	○	Optional



	N120 12 Channel NanoVolume	NP80 NanoVolume & Cuvette	N60 NanoVolume	N50 NanoVolume	C40 Cuvette
CFR21 Software	Optional	Optional	Optional	<input type="radio"/>	Optional
IQ/OQ Package	Optional	Optional	Optional	<input type="radio"/>	Optional
Customizable Methods	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
NanoVolume Capability	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Kinetic Studies in a Drop	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Flexible Unit Control	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Multi Language User Interface	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Blank Control™ and Sample Control™	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Wi-Fi®, HotSpot, LAN HDMI, USB A/B	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Built-in File Server	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Universal Data Output, Excel and PDF	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Free from Recalibration	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Barcode Ready	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

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