



儀器永久免校正

# NanoPhotometer<sup>®</sup> N120

通道數更多，規格更高，操作介面更方便，樣品最低僅需 2  $\mu$ l



7 吋觸控螢幕

12 通道微量上樣裝置

內建 Intel Celeron dual core 2.4 GHz 處理器及 128 GB 記憶體



獨家樣品抑制技術  
Sample Compression Technology™



獨家免校正光徑技術  
True Path Technology™



彈性操控軟體介面  
Flexible Unit Control



有線 / 無線網路連接功能  
Endless Connectivity



長效電池獨立操作 (選配)  
Battery Powered



符合 CFR21 需求軟體 (選配)  
Regulatory Compliance



N120



NP80



N60



N50



C40

偵測模式	微量	微量 + 比色管	微量	微量	比色管
通道數	1-12	1	1	1	1
最小樣品體積	2 $\mu$ l	0.3 $\mu$ l	0.3 $\mu$ l	0.3 $\mu$ l	依比色管型式 <sup>註1</sup>
波長範圍 (nm)	200 - 900	200 - 900	200 - 900	200 - 650	200 - 900
微量偵測範圍	dsDNA: 2 - 8,000 ng/ $\mu$ l BSA: 0.06 - 230 mg/ml	dsDNA: 1 - 16,500 ng/ $\mu$ l BSA: 0.03 - 478 mg/ml	dsDNA: 1 - 16,500 ng/ $\mu$ l BSA: 0.03 - 478 mg/ml	dsDNA: 5 - 7,500 ng/ $\mu$ l BSA: 0.15 - 217 mg/ml	○ <sup>註2</sup>
比色管偵測範圍	-	dsDNA: 0.1 - 130 ng/ $\mu$ l BSA: 0.003 - 3.7 mg/ml	-	-	dsDNA: 0.1 - 130 ng/ $\mu$ l BSA: 0.003 - 3.7 mg/ml
光徑 (mm)	1 & 0.125	0.67 & 0.07	0.67 & 0.07	0.67 & 0.07	10
內建比色管槽	-	●	-	-	●
內建 Vortex	-	●	●	-	-
內建電池	○	○	○	-	○
IQ/OQ 確效	○	○	○	-	○
CFR21 軟體	○	○	○	-	○

註 1 : C40 可搭配 Implen Submicroliter Cell，升級成微量 + 比色管雙模式機種。 註 2 : 微量偵測範圍視升級規格而定。 ● : 標準配備，○ : 可升級選配



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台北 02-2758-5928 新竹 03-530-7572 台中 04-2463-8312 台南 06-336-9665 高雄 07-342-7336



# NanoPhotometer®

歡迎預約  
實機展示

想了解更多，敬請立即聯絡當區業務，

或來電預約實機展示 **02-2758-5928**

## NANOPHOTOMETER SPECIFICATIONS

NanoVolume Performance		Optical Specifications	
Detection Range dsDNA	N60, NP80: 1 - 16,500 ng/μl N50: 5 - 7,500 ng/μl N120: 2 - 8,000 ng/μl	Wavelength Scan Range	C40, N60, NP80, N120: 200 - 900 nm N50: 200 - 650 nm
Detection Range BSA	N60, NP80: 0.03 - 478 mg/ml N50: 0.15 - 217 mg/ml N120: 0.06 - 230 mg/ml	Measure Time For Full Scan Range	C40, N50, N60, NP80: 2.5 - 4.0 sec N120: 1.7 - 2.5 sec per sample
Sample Volume	N50, N60, NP80: 0.3 - 2 μl N120: 2 - 3.5 μl	Wavelength Reproducibility	C40, N60, NP80, N120: ± 0.2 nm N50: ± 1 nm
Photometric Range (10 mm equivalent)	N60, NP80: 0.02 - 330 A N50: 0.1 - 150 A N120: 0.04 - 160 A	Wavelength Accuracy	C40, N60, NP80, N120: ± 0.75 nm N50: 1.5 nm
Path Length	N50, N60, NP80: 0.67 and 0.07 mm N120: 1 and 0.125 mm	Bandwidth	C40, N60, NP80: < 1.8 nm N50: 5 nm N120: < 2.5 nm
Dilution Factor	N50, N60, NP80: 15 and 140 N120: 10 and 80	Absorbance Reproducibility	N60, NP80: < 0.002 A (0.67 mm path) @ 280 nm N50: < 0.004 A (0.67 mm path) @ 280 nm N120: < 0.004 A (1 mm path) @ 280 nm
Vortex	N60, NP80: 2,800 rpm Tube size up to 2.0 ml	Absorbance Accuracy	< 1.75% @ 0.7 A @ 280 nm of the reading
<b>Cuvette Performance – NP80 &amp; C40</b>		Stray Light	N60, NP80: < 0.5% @ 240 nm using NaI N50: < 2% @ 240 nm using NaI N120: < 1% @ 240 nm using NaI
Detection Range dsDNA	0.1 - 130 ng/μl	Optical Arrangement	1 x 3648 CCD Array
Detection Range BSA	0.003 - 3.7 mg/ml	Lamp	Xenon flash lamp
Photometric Range	0 - 2.6 A	Lifetime	10 <sup>9</sup> flashes, up to 10 years
Center Height (Z-Height)	8.5 mm	<b>General Specifications</b>	
Cell Types	Outside dimension 12.5 x 12.5 mm	Main Body Size	200 x 200 x 120 mm
Heating	37 °C ± 0.5 °C	Weight	3.8 - 5.2 kg depending on configuration
<b>Processing Power &amp; Compatibility</b>		Operating Voltage	90 - 250 V, 50/60 Hz, 90 W, 18/19 VDC
Operating System	Linux based NPOS	Display	1024 x 600 pixels; glove compatible touchscreen
Onboard Processor	Intel Celeron dual core 2.4 GHz	Built-in Battery Pack	Optional rechargeable lithium ion battery: C40, N60, NP80: 95 Wh, 6.6 Ah, 8 h N120: 47.5 Wh, 3.3 Ah, 3 h Min. charging cycles: 800
Internal Data Storage	C40, N50, N60, NP80: 32 GB N120: 128 GB	Certification	CE, IEC 61010-1:2012 and EN 61326-1:2013
Software Compatibility	Windows 7, 8, 10 (32 & 64 bit) OS X, iOS Android OS	Battery Certification	IEC 62133 and UN38.3 transport test
		In & Output Ports	2x USB A, USB B, HDMI, Ethernet, WiFi
		Security	Slot for Kensington lock

\* Smartphone is not available with the N120

\* Features and specifications are subject to change without notice.

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