



樣品最低  
僅需 0.3  $\mu$ l

# NanoPhotometer<sup>®</sup> NP80

規格更高，體積更小，操作介面更方便，唯一不變的是：儀器永久免校正

7吋觸控螢幕

抗磨損石英上下蓋

內建 Quad Core 1 GHz  
處理器與 8 GB 記憶體

全新 Linux 核心軟體介面，  
支援 Windows、Android  
及 iOS 作業系統

內建 vortex

可控溫比色管槽座



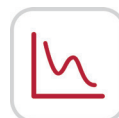
獨家樣品抑制技術  
Sample Compression  
Technology™



長效電池獨立操作  
Battery Powered



彈性操控軟體介面  
Flexible Unit Control



獨家免校正光徑技術  
True Path Technology™

新機  
上市



	NP80	N60	N50	C40
波長範圍 (nm)	200-900	200-900	200-650	200-900
偵測模式	微量 + 比色管	微量	微量	比色管 <sup>註1</sup>
微量偵測範圍	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)	0.07, 0.67, 10	0.07, 0.67	0.07, 0.67	10
內建 Vortex	●	●	-	-
觸控螢幕	○	○	○	○
8小時長效電池	○	○	-	○

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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# NanoPhotometer® NP80

歡迎預約  
實機展示

想了解更多，敬請立即聯絡騰達行當區業務，  
或來電預約實機展示 **02-27202215#240**

## NANOPHOTOMETER SPECIFICATIONS

NanoVolume Performance		Zero Stability	±0.003 A/hour after 20 min warm up @ 260 nm
Detection Range dsDNA	1 ng/μl to 16,500 ng/μl (N50: 5 ng/μl to 7,500 ng/μl)	Noise	0.002 A rms at 0 A @ 260 nm; 0.002 A (pk to pk) at 0 A @ 260 nm
Detection Range BSA	0.03 mg/ml to 478 mg/ml (N50: 0.15 mg/ml to 217 mg/ml)	Optical Arrangement	1 x 3648 CCD Array (N50: 1 x 1024 CCD Array)
Minimum Sample Size	0.3 μl	Lamp	Xenon flash lamp
Photometric Range (10 mm equivalent)	0.02 - 330 A (N50: 0.1 - 150A)	Lifetime	10 <sup>9</sup> flashes, up to 10 years
Path Length	0.67 and 0.07 mm	Processing Power and Compatibility	
Dilution Factor	15 and 140	Operating System	Linux based OS
Vortexer	2,800 rpm; tube size up to 2.0 ml	Onboard Processor	Quad Core 1 GHz
Cuvette Performance		Internal Storage	8 GB
Detection Range dsDNA	0.1 ng / μl to 130 ng / μl	Control Options	Onboard with built-in touchscreen, computer, smart phone and tablet
Detection Range BSA	0.003 mg / ml to 3.7 mg / ml	Software Compatibility	Windows 7 (32 and 64 bit), Windows 8 (32 and 64 bit), OS X, iOS and Android
Photometric Range	0 - 2.6 A	Min. Requirement Smart phone/Tablet	4 inch screen Apple: iPad 2, iPhone5 and iOS 6 Android version 2.2, Quad core 1.2 GHz with 1 GB RAM
Center Height (Z-Height)	8.5 mm	General Specifications	
Cell Types	Outside dimension 12.5 x 12.5 mm	Size	200 mm x 200 mm x 140 mm
Heating	37°C ± 0.5°C	Weight	3.8 - 5.2 kg depending on configuration
Optical Specifications		Operating Voltage	90-250 V, 50/60 Hz, 60 W (90 W with battery pack), 18/19 VDC
Wavelength Scan Range	200 - 900 nm (N50: 200 - 650 nm)	Display	1024 x 600 pixels; touchscreen glove compatible
Time for Full Scan Range	3.5 - 6.0 seconds	Certifications	CE, IEC/EN 61010-1:2012 and EN 61326-1:2013
Wavelength Reproducibility	± 0.2 nm (N50: ± 1nm)	Battery Pack	Optional rechargeable lithium ion battery; 95Wh, 6.6Ah; Operation time: up to 8 h; Min. charging cycles: 800
Wavelength Accuracy	± 0.75 nm (N50: 1.5 nm)	Battery Certification	IEC 62133 and UN38.3 transport test
Bandwidth	1.8 nm (N50: 5 nm)	In- and Output Ports	2x USB A, USB B, HDMI, Ethernet, WLAN
Stray Light	< 0.5% at 240 nm using NaI (N50: < 2%) and < 1% at 280 nm using Acetone (N50: < 2%)	Additional Data Input	Mouse and keyboard options
Absorbance Reproducibility	< 0.002 A (0.67 mm path) @ 260 nm (N50: < 0.004 A (0.67 mm path) @ 260 nm)	Security	Slot for Kensington lock
Absorbance Accuracy	< 1.75 % @ 0.7 A (0.67 mm path) @ 260 nm of the reading		

Features and specifications are subject to change without notice.

US Patents 20080204755 and 20080106742

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