





The NanoPhotometer[™] One spectrophotometer for all your needs

All kinds of UV/Vis photometric applications in molecular biology, biochemistry and microbiology featuring



ALL IN ONE

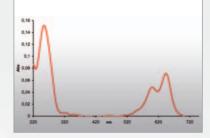
standard cuvette and fiber optic applications

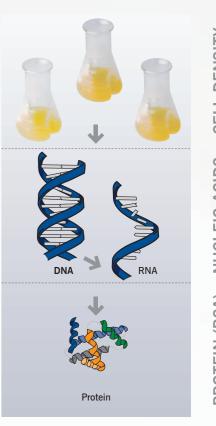


- predefined methods for protein and nucleic

-full spectrum scan and kinetic methods

acid measurements







3,500µl

The Technical Specifications

Wavelength range	190 – 1,100 nm
Wavelength scan range	200 – 950 nm
Measure time for full scan range	Less than 5 seconds
Wavelength reproducibility	< ± 0.2 nm
Wavelength accuracy	± 2 nm
Bandwidth	Better than 5 nm
Stray light	< 0.5% at 220 nm and 340 nm using NaNO ₂
Photometric range	-0.3 – 2.499 A 0-199% T
Photometric reproducibility	±0.003 A (0 to 0.5 A) ±0.007 A (0.5-1.0 A) @ 260 nm
Photometric accuracy	± 0.005 A or $\pm 1\%$ of the reading, whichever is the greater
Zero stability	±0.003 A/hour after 20 min warm up @ 340 nm
Noise	0.002 A rms at 0 A @ 260 nm 0.005 A (pk to pk) at 0 A @ 260 nm
Optical arrangement	Dual channel Czerny Turner with flat grating,1024 pixel CCD array, concave mirrors.
Lamp	Xenon flash lamp
Lifetime	10 [°] flashes, up to 10 years
Warranty	1 year
Performance verification	Auto diagnostics when switched on
Cell types	15 mm centre height, outside dimension 12.5 mm x 12.5 mm
Cuvette storage	capacity for eight 10 mm cells
Photometric mode	Abs, %T, concentration, scan, ratio, multi wavelength, kinetics in Δ Abs x factor/min
Method storage	Up to 90 methods in user methods
Built-in methods	Nucleid acid, microarray (labeling efficiency), protein and cell density
Display formats	320 x 240 pixels
Size	140 mm x 275 mm x 380 mm
Weight	< 4.5 kg
Operating voltage	90-250 V, 50/60 Hz, Max 30 VA
Input / Output ports	USB or Bluetooth for connection to a PC for direct data download for spreadsheet calculations, printout and data storage

Features and specifications are subject to change without notice.



IMPLEN GmbH Wehrlestr. 33 81679 Munich Germany

phone: +49 89 99100583 fax: +49 89 21758349 mail: info@implen.de **www.implen.de**