NanoPhotometer ® N120 Specifications

NanoVolume Performance

Detection Range dsDNA 2 - 8,000 ng/µl

Detection Range BSA 0.06 - 230 mg/ml

Sample Volume 2 - 3.5 µl

Photometric Range (10 mm equivalent) 0.04 - 160 A Path Length 1 and 0.125 mm Dilution Factor 10 and 80

General Specifications

Main Body Size 200 x 200 x 120 mm

Weight 5.0 - 5.2 kg depending on configuration

Operating Voltage 90 - 250 V, 50/60 Hz, 90 W, 18/19 VDC

Display 1024 x 600 pixels; touchscreen glove compatible

Built-in Battery Pack; Optional rechargeable lithium ion battery: 47.5 Wh, 3.3 Ah, 3 h Min. charging cycles: 800

Certification CE, IEC 61010-1:2012 and EN 61326-1:2013

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

Optical Specifications

Wavelength Scan Range 200 - 900 nm

Measure Time For Full Scan Range 1.7 - 2.5 sec per sample

Wavelength Reproducibility ± 0.2 nm

Wavelength Accuracy ± 0.75 nm

Bandwidth < 2.5 nm

Absorbance Reproducibility < 0.004 A (1 mm path) @ 280 nm

Absorbance Accuracy < 1.75% @ 0.7 A @ 280 nm of the reading

Stray Light < 1% @ 240 nm using NaI

Optical Arrangement 1 x 3648 CCD Array

Lamp Xenon flash lamp

Lifetime 109 flashes, up to 10 years

Processing Power & Compatibility

Operating System Linux based NPOS

Onboard Processor Intel Celeron dual core 2.4 GHz

Internal Data Storage 128 GB

Software Compatibility Windows 7, 8, 10 (32 & 64 bit) OS X, iOS Android OS

Features and specifications are subject to change without notice.

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