

Helium

1 μ L Spectrophotometer

Affordable, Reliable Quantification

Ideal for Research and Teaching Labs

DNA, RNA and Protein

2 - 1,600 ng/ μ L (dsDNA)

Purity Ratios for Quality Control

260/230 and 260/280

Maintenance-Free Design

Lifetime Consistency, No Recalibration



Reliable Results, Remarkable Value

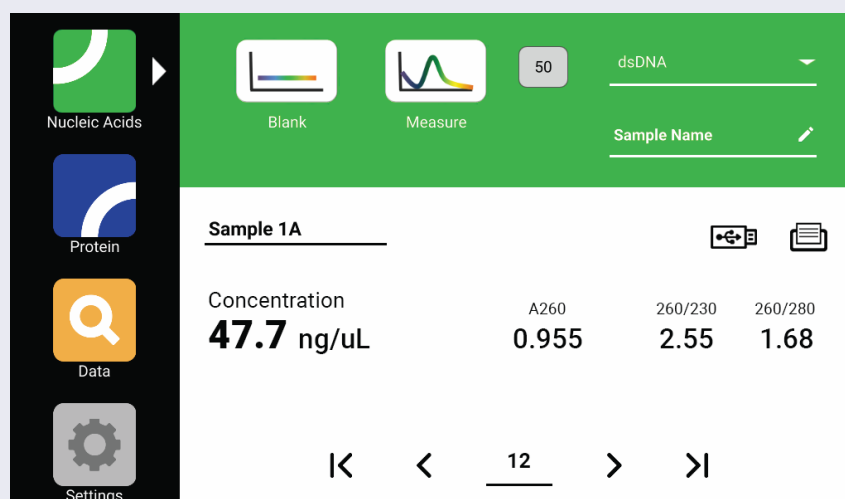
The Helium 1 μ L Spectrophotometer enables easy biomolecule quantification in under 5 seconds with as little as 1 μ L of sample. Where full UV-Vis spectral scans are not required, this device is the ideal choice for the analysis of nucleic acids and protein using absorbance measurements at 260 nm, 280 nm and 230 nm. Backed by world-renowned DeNovix reliability and support, Helium offers unparalleled value for money for both research and teaching labs.

Easy to Learn, Easy to Use

DeNovix EasyApps™ software combines simplicity with a user-friendly interface designed by life scientists, for life scientists.

Intuitive EasyApps™

- Pre-Installed Software, No Setup Needed
- Nucleic Acids: dsDNA, RNA, ssDNA
- Protein: BSA, IgG, Custom Proteins
- Data App: Easily Review and Export Results
- Export to USB or Label Printer
- Store up to 2,000 Samples



One screen, all the essential data. Concentration, purity ratios, export options and sample navigation are all instantly accessible.



Simply Load, Measure, and Wipe Clean

Proven DeNovix Technology

Helium employs the same core DeNovix technology of the DS-11 Series, which is trusted by thousands of researchers worldwide.

Designed for sensitivity and accuracy, SmartPath™ technology combines hardware and software to provide real-time optimization of every sample, ensuring measurement confidence.

8,750+
Citations

450+
★★★★★
Reviews



DS-Series Spectrophotometers: Quality Quantification for Every Lab



Compare All
Specifications



DS-11 Series



DS-8X



DS-7



Helium

Wavelength Range (nm)	190 - 840	190 - 840	190 - 840	230, 260, 280
1 μ L UV	✓	✓ x 8	✓	✓
Spectral Scan	✓	✓	✓	-
Cuvette Option	✓	✓	✓	-
Fluorescence Option	✓	✓	-	-
Detection Range (dsDNA)	0.75 - 37,500 ng/ μ L	2 - 11,000 ng/ μ L	2 - 15,000 ng/ μ L	2 - 1,600 ng/ μ L
Data Export	Wi-Fi, Ethernet, Email, USB, Label and Network Printers		USB / Label Printer	
Applications	Full Range of UV-Vis and Fluorescence Applications		Full Range of UV-Vis Applications	Nucleic Acid and Proteins

Specifications

Measurement Time 5 seconds
Wavelength Range 230, 260, 280 nm
Absorbance Range 0.04 - 32 AU (1 cm)
Absorbance Precision 0.04 AU (1 cm) or 2%, whichever is greater
Absorbance Accuracy 3% at 0.75 AU at 260 nm
Detection Limit 2 ng/ μ L (dsDNA); 0.1 mg/mL (BSA)
Maximum Concentration 1,600 ng/ μ L (dsDNA); 48 mg/mL (BSA)
Pathlength 0.5 mm (Auto Ranging to 0.04 mm)

Minimum Sample Volume 1.0 μ L
Contamination Detection Purity Ratios
Light Source Pulsed Xenon Flash Lamp
Connectivity 2 USB Ports, Label Printer
Display 7" HD Color Touchscreen
Colors Arctic White
Approvals CE, UL/CSA, FCC and Japan CAB
Warranty 2 years

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