



# Helium

## 1 µL Spectrophotometer

### Affordable, Reliable Quantification

Ideal for Research and Teaching Labs

### DNA, RNA and Protein

2 - 1,600 ng/µL (dsDNA)

### Purity Ratios for Quality Control

260/230 and 260/280

### Maintenance-Free Design

Lifetime Consistency, No Recalibration

## Reliable Results, Remarkable Value

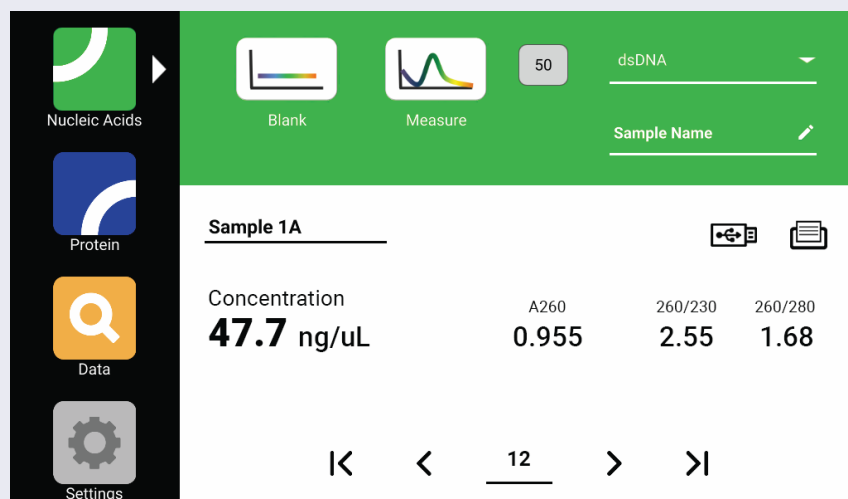
The Helium 1 µL Spectrophotometer enables easy biomolecule quantification in under 5 seconds with as little as 1 µL of sample. Where full UV-Vis spectral scans are not required, this device is the ideal choice for the analysis of nucleic acids and protein using absorbance measurements at 260 nm, 280 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.



## DS-Series Spectrophotometers: Quality Quantification for Every Lab



Compare All Specifications



DS-11 Series



DS-8X



DS-7



Helium

	DS-11 Series	DS-8X	DS-7	Helium
<b>Wavelength Range (nm)</b>	190 - 840	190 - 840	190 - 840	230, 260, 280
<b>1 µL UV</b>	✓	✓ x 8	✓	✓
<b>Spectral Scan</b>	✓	✓	✓	-
<b>Cuvette Option</b>	✓	✓	✓	-
<b>Fluorescence Option</b>	✓	✓	-	-
<b>Detection Range (dsDNA)</b>	0.75 - 37,500 ng/µL	2 - 11,000 ng/µL	2 - 15,000 ng/µL	2 - 1,600 ng/µL
<b>Data Export</b>	Wi-Fi, Ethernet, Email, USB, Label and Network Printers		USB / Label Printer	
<b>Applications</b>	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/µL (dsDNA); 0.1 mg/mL (BSA)  
**Maximum Concentration** 1,600 ng/µL (dsDNA); 48 mg/mL (BSA)  
**Pathlength** 0.5 mm (Auto Ranging to 0.04 mm)

**Minimum Sample Volume** 1.0 µL  
**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