



DS-8X

Eight Channel Spectrophotometer

Rapid Multichannel UV-Vis Quantification

Analyze 8 Samples in ~10 Seconds

GxP Compliance Ready

Optional 21 CFR Part 11 Software, IQ-OQ

Maintenance-Free Design

Lifetime Consistency, No Recalibration Required

Eliminate Measurement Errors

Real-Time Optimization of Every Sample

The DeNovix Difference: SmartQC™ Sample Assurance

The DS-8X employs a suite of quality assurance features to ensure reliable and accurate microvolume measurements. Proprietary DeNovix SmartPath™ technology uses micron-level pathlength control and immediate absorbance feedback. The measurement pathlength for every sample is automatically optimized through continuous sample compression.

Bridge Testing™ verification eliminates unreliable results that stem from broken sample columns or loading issues. The algorithm detects unbridged samples and adjusts in real-time to deliver accurate results, even for challenging 1 µL protein samples.



Compliance Ready



- ✓ Optional 21 CFR Part 11 Software
Electronic signatures, user account management, secure audit trail recording, password protected system access, fully configurable for your organization
- ✓ IQ-OQ documentation
- ✓ LIMS compatible import / export formats

Proven DeNovix Technology

Based on the innovations that make DeNovix Spectrophotometers trusted by scientists worldwide, the DS-8X ensures confidence in every measurement.



Designed by Life Scientists, For Life Scientists



Powerful, Intuitive Software

- Includes AutoRun, graphical overlay, auto-saved data, password-protected user accounts, etc.
- Pre-installed EasyApps™ for DNA, RNA, Protein



Multi-Mode Flexibility

- Full spectrum UV-Vis: 190 - 840 nm
- Single Sample (2 sec); Up to Eight Samples (~10 sec)
- 1µL UV-Vis, Cuvette, and Fluorescence options

User-Friendly Experience

- Stand-alone (no PC), 7 inch HD touchscreen
- Ergonomic Pipette Guide: adjustable, ambidextrous

Data & Connectivity



- Wi-Fi, Ethernet & USB connectivity; export via email, network & label printers, USB, and network drives
- Automatically stores millions of results onboard; easy to search, sort, and analyze archived data
- Flexible export in LIMS-compatible formats

Additional Options for Extended Flexibility



Sample Tracker

Software-controlled LEDs illuminate the correct sample column



FX Fluorometer Module

USB plug and play accessory to immediately enable fluorometer apps



Cuvette Mode

Extend the lower detection limit with the built in cuvette option (DS-8X+)

Measurement Time	~10 sec (8 samples); 2 sec (1 sample)
Wavelength Range	190 - 840 nm
Absorbance Range	0.04 - 220 (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); 1.6 ng/µL (RNA); 0.1 mg/mL (BSA); 0.6 mg/mL (IgG)
Maximum Concentration	11,000 ng/µL (dsDNA); 8,800 ng/µL (RNA); 330 mg/mL (BSA); 161 mg/mL (IgG)
Pathlength	0.5 mm (Auto Ranging to 0.03 mm)
Minimum Sample Volume	1 µL

Light Source	Pulsed Xenon Flash Lamp
Connectivity	Wi-Fi, Ethernet, Email, 4 USB ports, Network & Label Printer
Display	7" HD color touchscreen
Colors	White, Red, Blue, Silver
21 CFR Pt 11 Ready	Yes
Contamination Detection	Purity Ratios with Contamination Alerts
AutoRun	Yes
Approvals	CE, UL/CSA, FCC and Japan CAB
Warranty	2 years

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