



## 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



## Multi-Mode Flexibility

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

## User-Friendly Experience

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

## Powerful, Intuitive Software

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



and more!

## 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 equivalent)
Absorbance Precision	0.04 AU (1 cm) or 1%, whichever is greater
Absorbance Accuracy	1.5% at 0.75 AU at 260 nm
Detection Limit	2 ng/ $\mu$ L (dsDNA), 0.1 mg/mL (BSA), 0.6 mg/mL (IgG)
Maximum Concentration	11,000 ng/ $\mu$ L (dsDNA), 330 mg/mL (BSA), 161 mg/mL (IgG)
Pathlength	0.5 mm (Auto Ranging to 0.03 mm)
Minimum Sample Volume	1 $\mu$ L

Light Source	Pulsed Xenon Flash Lamp
Connectivity	Wi-Fi, Ethernet, Email, 3 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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