

DS-C Cuvette Spectrophotometer



Powerful EasyApps™ Software

Designed by Life Scientists, for Life Scientists

Flexible Export and Connectivity

Wi-Fi, USB, Email, Ethernet and more

Full Spectrum UV-Vis

190 – 840 nm

Optional Fluorescence Module

UV, Blue, Green, and Red Fluorescence

Intuitive, Compact and Stand-Alone

The DeNovix DS-C Spectrophotometer offers outstanding dynamic range, sensitivity, flexibility and ease of use. The instrument is ready right out of the box—no PC setup or software installation is required. From GMP compliance facilities to teaching labs, the versatile DS-C makes absorbance measurements simple with application-specific EasyApps™ software.

Powerful EasyApps Software



Nucleic Acid Quantification

dsDNA, RNA, ssDNA



Colorimetric Assays

Bradford, BCA, Lowry, Pierce 660



Kinetic Assays

Fully customizable, 37 – 45°C



OD600 Microbial Cell Cultures

Optical density and cell/mL calculations



Compliance Ready Software Available

Operational & data security controls, audit trail

Custom Methods

Easily build and save your own applications using powerful custom method apps.

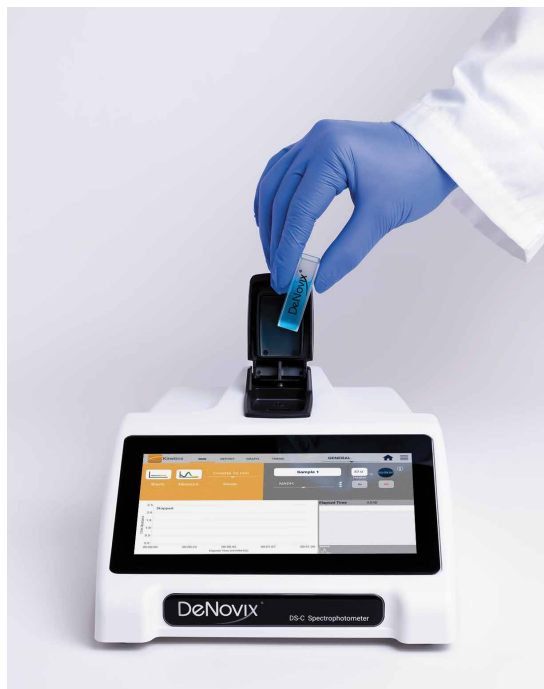
Maintenance-Free Design

No need for routine recalibration or scheduled maintenance procedures—the DS-C Spectrophotometer is calibrated for life!

Data & Connectivity



- Wi-Fi, Ethernet, and 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
- Built-in email and user account management



Accepts a Large Variety of Cuvettes

The DS-C is compatible with standard quartz or plastic cuvettes with an industry-standard 8.5 mm z-height. Select from standard, semi-micro cuvettes and specialized microvolume cuvettes. Pathlengths from 0.125 to 10 mm can be selected in EasyApps, providing assay flexibility and extended dynamic range. Upper concentration limit is extended with shorter pathlengths.



Free Trial Program

- ✓ 1 Week
- ✓ Free Shipping to Your Lab
- ✓ Virtual Demos Available

Upgrade to Fluorescence with the FX Module

- Compact USB plug-and-play module to instantly enable Fluorometer EasyApps applications
- Four excitation LED options (UV / Blue / Green / Red)
- Compatible with DeNovix dsDNA and RNA Fluorescence Quantification Assays, commonly used Thermo Fisher Qubit™ assays or user-configured custom assays



Specifications

Spectrophotometer

Beam Height	8.5 mm
Light Source	Pulsed Xenon flash lamp
Detector Type	2048 element CCD
Wavelength Range	190 – 840 nm
Wavelength Accuracy	0.5 nm
Absorbance Precision	0.015 AU (1 cm) or 1%, whichever is greater
Absorbance Accuracy	1.5% at 0.75 AU at 260 nm
Spectral Resolution	1.5 FWHM @253.65 nm
Absorbance Range	0.0008 – 1.5 AU (1 cm)
Pathlength	0.125 – 10 mm
Detection Limit	0.04 ng/μL dsDNA (1 cm) 0.002 mg/mL BSA (1 cm)
Maximum Concentration	75.0 ng/μL dsDNA (1 cm) 2.25 mg/mL BSA (1 cm)
Measurement Time	2 seconds
Contaminant Detection	SmartQC™ contamination alerts

User Interface

Display	7" high definition touchscreen
Gesture Recognition	Multipoint touch, swipe, pinch
Glove Compatibility	All common lab gloves
Internal Storage	32 GB Flash Memory
Audio	Built-in speaker
Connectivity	Wi-Fi, Ethernet, 2 USB ports
Accessories	USB printer, barcode reader, keyboard, mouse

General

Weight	1.5 kg
Footprint	27 x 20 x 10 cm
Operating Voltage	12 VDC
Power Consumption	10 W (max 36 W)
Heating	37 – 45°C
Approvals	UL/CSA, CE, FCC, Japan CAB
Manufacture Location	USA
Colors	Arctic White

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