

## 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

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

### User Interface

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

### General

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

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