

## DS-C Cuvette Spectrophotometer

- Pre-installed, Intuitive EasyApps®
- Full Spectrum UV-Vis (190-840 nm)
- Outstanding Sensitivity and Flexibility
- Powerful, Versatile Data Handling
- Optional Fluorescence Module



### Intuitive, Compact, and Stand-Alone

The DeNovix DS-C Spectrophotometer offers outstanding dynamic range, sensitivity, flexibility and ease-of-use. Built-in EasyApps and our breakthrough operating system make the DeNovix DS-C easy to learn and quick to use. The instrument is ready right out of the box - no PC setup or software installation is required. Make absorbance measurements utilizing application-specific EasyApps. Easily build and save your own applications using powerful, yet simple, custom method apps. The DS-C, like other DeNovix Spectrophotometers, also includes user account management, built-in email and free software updates for the life of your instrument.



**Nucleic Acid Quantification**  
dsDNA, RNA, ssDNA



**Protein and Peptide Quantification**  
BSA, IgG, Custom proteins



**Colorimetric Assays**  
Bradford, BCA, Lowry, Pierce 660



**Kinetic Assays**  
Fully customizable, 37-45°C



**OD600 Microbial Cell Cultures**  
Optical density and cell/mL calculations

### Connect to Your Results

Built-in Wi-Fi, USB and Ethernet connectivity provide researchers a wide range of options to share, save and review data to suit all needs. Easily export results to e-mail, network drives and printers, USB drives, LIMS systems and label printers.



**Wi-Fi & Ethernet Connection**  
Safe and easy network integration

### Export Options



Email



USB



Network and  
label printers



Network  
Drives

## Powerful

### Data Storage and Searching

Automatically store millions of sample results onboard the DS-C. The powerful and intuitive Data App enables searching by application, date, user and application. Archived data can be viewed onscreen, used to generate custom reports and graphs and exported.

## Flexible

### Upgrade to Fluorescence

Easily upgrade the DS-C at any time with the FX Module to add a best-in-class fluorometer. The FX Module includes four excitation sources and enables EasyApps software. The fluorometer is compatible with DeNovix dsDNA and RNA Fluorescence Quantification Assays, commonly used Qubit® and Promega® assays, or user-configured custom assays.

## Free Trial Program

DeNovix offers free one week evaluations for customers who wish to test the DS-C in their lab. Please visit [www.denovix.com](http://www.denovix.com) for program terms and to submit a free trial request.

## 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	0.002 AU(0.5 mm) 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)
Heating	37 - 45°C
Pathlength	0.125 to 10 mm
Detection Limit	0.04 ng/μL dsDNA (1 cm) 0.002 mg/mL BSA (1 cm)
Maximum Concentration	750.0 ng/μL dsDNA (1 mm) 37.5 mg/mL BSA (1mm)
Measurement Time	2 seconds
Power consumption	10 W (max 30 W)
Contaminant Detection	SmartQC™ Sample Guidance

## Compatible

### Multiple Pathlengths

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



**FX Module: Easy, affordable USB upgrade to add fluorescence applications**

### 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
Approvals	UL/CSA, CE, FCC, Japan CAB
Manufacture Location	USA
Colors	Arctic White

Qubit™ is a registered trademark of Thermo Fisher Scientific and its subsidiaries  
Promega is a registered trademark of Promega Corporation

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