

BioDrop TOUCH with CUVETTE

Simply Perfect Partners



BioDrop TOUCH with BioDrop CUVETTE makes accurate UV/Visible absorbance measurement of samples less than 1µl achievable for all life scientists.

Product Overview

BioDrop TOUCH is a next generation UV/Visible spectrophotometer delivering exceptional measurement accuracy for life science applications. It offers seamless integration with the BioDrop CUVETTE and provides scientists with class-leading micro-volume measurement technology in addition to standard cuvette based applications in a single instrument.

BioDrop TOUCH is designed specifically for use with the revolutionary BioDrop CUVETTE and includes a unique, magnetic pipetting station for easy sample loading. Comprehensive life science methods with drop-down pathlength selection for the BioDrop CUVETTE enable scientists to quickly acquire results.

BioDrop TOUCH is available as either a stand-alone instrument with comprehensive software controlled via a colour touchscreen or as a PC-only version. Both options include BioDrop Resolution Life Science PC Software as standard.

BioDrop TOUCH with local control offers on-board storage of methods and data as well as USB drive memory storage and USB to PC connection. A built-in printer can also be fitted to the instrument for a complete solution in a small footprint.

BioDrop TOUCH with BioDrop CUVETTE provide exceptional DNA detection limits and range:

DNA Measurement	Minimum Volume	Detection Limit	Maximum Concentration
BioDrop 500 (0.5 mm pathlength)	2.5 µL	3 ng/µL	Up to 2,500 ng/µL
BioDrop 125 (0.125mm pathlength)	0.6 µL	12 ng/µL	Up to 10,000 ng/µL

BioDrop TOUCH: Key Features

- Large, high resolution, capacitive colour touchscreen on standalone instrument
- USB connectivity for easy PC connection or data export
- Light path designed for optimal measurement with the BioDrop CUVETTE
- Cell holder compatible with standard cuvettes for ultimate application flexibility
- Fast operation – switch on and measure a DNA sample in <20 seconds with only 4 screen touches
- Unique, integrated BioDrop CUVETTE magnetic loading platform for easy pipetting
- BioDrop Resolution Life Science software for powerful analysis

BioDrop Resolution Life Science Software: Key Features

- Dedicated life science methods for determining the concentration and purity of DNA, RNA and protein
- Fast and easy to use with intuitive modules for quick measurements, wavelength scanning, quantitation and kinetics
- Pre-programmed with BioDrop CUVETTE pathlength and calculations
- Optional Resolution CFR module for laboratories requiring full 21 CFR part 11
- Familiarity of the latest Microsoft Windows® operating systems.

Fresh thinking for micro-volume measurement



Technical Details

	BioDrop TOUCH	BioDrop TOUCH PC
Display	5.7" colour capacitive touchscreen	None
Light Source	Pulsed Xenon lamp with 3 year warranty	
Detector	1024 element CCD array	
Wavelength Range	190 – 1100nm	
Wavelength Accuracy	± 2nm	
Wavelength Reproducibility	± 1nm	
Spectral Bandwidth	5nm	
Stray Light	<0.5%T at 220nm and 340nm using NaNO ₂	
Absorbance Range	- 0.3A to 2.5A, 0 to 199%T	
Absorbance Accuracy	±0.005A or 1% of the reading, whichever is the greater at 546nm	
Absorbance Reproducibility	±0.003A (0 to 0.5A), ±0.007A (0.5 – 1.0A)	
Noise	0.005A peak to peak 0.002A RMS	
Output	USB port for USB memory stick	USB port for PC connection
Power input	90-250 V, 50/60 Hz, Max 50VA	
Dimensions	420 x 260 x 185 mm	
Weight	approx. 3 kg	
Life Science PC Software	DNA, RNA, oligo, dye labelling, T _m calculation, direct UV and colorimetric protein methods	
Software Languages	English, French, German, Spanish	English

Ordering Information

Part number	Description
80-3006-41	BioDrop TOUCH
80-3006-41-125	BioDrop TOUCH and BioDrop CUVETTE 125 (0.125mm pathlength cuvette)
80-3006-41-500	BioDrop TOUCH and BioDrop CUVETTE 500(0.500mm pathlength cuvette)
80-3006-41-ult	BioDrop TOUCH and BioDrop CUVETTE Ultimate (0.500mm and 0.12mm pathlength cuvettes)
80-3006-42	BioDrop TOUCH and built-in printer and BioDrop CUVETTE 125 (with 0.125mm pathlength cuvette)
80-3006-42-125	BioDrop TOUCH and built-in printer and BioDrop CUVETTE 125 (with 0.125mm pathlength cuvette)
80-3006-42-500	BioDrop TOUCH and built-in printer and BioDrop CUVETTE 500 (with 0.500mm pathlength cuvette)
80-3006-42-ult	BioDrop TOUCH and BioDrop CUVETTE Ultimate (with 0.500mm and 0.12mm pathlength cuvettes)
80-3006-40	BioDrop Touch PC
80-3006-40-125	BioDrop TOUCH PC (requires Windows PC for operation) and BioDrop CUVETTE 125
80-3006-40-500	BioDrop TOUCH and BioDrop CUVETTE 500 (0.500mm pathlength cuvette)
80-3006-40-ult	BioDrop TOUCH and BioDrop CUVETTE Ultimate (0.500mm and 0.12mm pathlength cuvettes)
80-7001-33	BioDrop Resolution CFR PC Software

Distributors
worldwide

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