

BioDrop TOUCH

Exceptional performance
with intuitive integration



BioDrop family

With a focus on intelligent design, the BioDrop family makes UV/Visible spectroscopy on samples of less than 1µl achievable for all life scientists. Accuracy, robustness and ease of use are the hallmarks of BioDrop products.

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, providing scientists with class-leading micro-volume measurement technology in addition to standard cuvette based applications in a single instrument.

BioDrop TOUCH is available as either a stand-alone instrument with comprehensive software controlled via a colour touchscreen or as a PC only version controlled by the powerful Resolution Life Science Software.

Both versions have been designed specifically for use with the revolutionary BioDrop CUVETTE and include a unique, magnetic pipetting station for easy sample loading. Comprehensive life science methods are included with both versions which include drop down pathlength selection for the BioDrop CUVETTE allowing scientists to quickly customise methods for their micro-volume applications.

The stand-alone BioDrop TOUCH offers on-board storage of methods and data plus connection of a USB memory device for export of data and methods. A built-in printer can also be fitted to the instrument for a complete stand alone solution in a small footprint. Resolution PC software is also available as an optional accessory for the stand alone instrument.

BioDrop TOUCH PC is supplied as standard with Resolution Life Science software offering the familiarity of the latest Microsoft Windows® operating systems. Software features include wavelength scanning, quantitation and kinetics as well as dedicated life science methods. For laboratories requiring full 21 CFR part 11 compliance, an optional Resolution CFR module is available.

Key Benefits

- Stand-alone with large, stylish, colour multi-touch display or PC only operation for flexibility to work the way you want
- Unique, integrated BioDrop CUVETTE magnetic pipetting station for easy pipetting
- Cell holder compatible with standard cuvettes for ultimate application flexibility
- USB connectivity for easy PC connection or data export
- Fast operation – switch on and measure a DNA sample in 4 screen presses and <20 seconds
- Resolution advanced Life Science software for full application control

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Fresh thinking for micro-volume measurement



BioDrop TOUCH

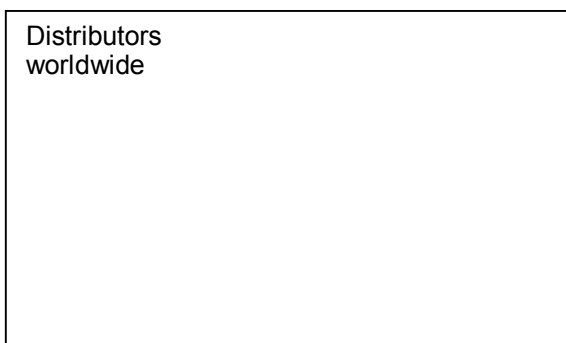
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Technical Details		
	BioDrop TOUCH	BioDrop TOUCH PC
Display	5.7" colour display with capacitive touch panel	None
Light Source	Pulsed Xenon lamp with 3 year warranty	
Detector	1024 element CCD array	
Wavelength Range	190 – 1100nm	
Wavelength Accuracy	± 2nm	
Wavelength Reproducibility	± 1nm	
Spectral Bandwidth	5nm	
Stray Light	<0.5%T at 220nm and 340nm using NaNO ₂	
Photometric Range	- 0.3A to 2.5A, 0 to 199%T	
Photometric Linearity	±0.005A or 1% of the reading, whichever is the greater at 546nm	
Photometric 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 PC connection, USB port for USB memory stick	USB port for PC connection
Power input	90-250 V, 50/60 Hz, Max 30 VA	
Dimensions	420 x 260 x 185 mm	
Weight	approx. 3 kg	
Life Science Software	DNA, RNA, oligo, dye labelling, T _m calculation, direct UV and colorimetric protein methods	DNA, RNA, oligo, dye labelling, T _m calculation, direct UV and colorimetric protein methods, cell density measurement
Software Languages	English, French, German, Spanish	English

Ordering Information	
Part number	Description
80-3006-40	BioDrop TOUCH PC including Resolution Life Science Software (requires Windows PC for operation)
80-3006-41	BioDrop TOUCH with colour touchscreen display
80-3006-42	BioDrop TOUCH with colour touchscreen display and built in printer accessory
80-3003-84	Printer accessory for BioDrop TOUCH with colour touchscreen
80-3004-07	Spare printer paper (20 rolls)
80-7100-32	Resolution Life Science Software
80-7100-33	Resolution CFR Software

For more information please visit www.biodrop.co.uk



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