

ScanDrop UV VIS spectrophotometer

The ScanDrop UV VIS spectrophotometer is especially designed for high accurate analyses of samples at low volumes. Even at volumes of 0.3 to 2.0 µl the instrument provides remarkable reproducibility. Due to the high absorbance capability the need for sample dilution is mostly not given. The combination of two measuring position as for classic 10 mm cuvettes position and the patented ChipCuvette, makes the system exceptionally versatile to use.

Optical parameter

Optical principle	Powerful diode array spectrophotometer for the UV VIS range
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Optical system	Polychromator system
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Light source	Xenon flash lamp
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System and application parameter

Wavelength range	190 nm - 720 nm
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Measuring time (complete spectra)	1 sec
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Base line noise (RMS at 500 nm)	0.001 A
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Base line stability	0.001 A
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Wavelength accuracy	0.5 nm
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Photometry	UV 0.02 A VIS 0.01 A
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Linearity	At 350 nm to approx. 2 A
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Stray light	200 nm	2.0%T
	220 nm	0.5%T
	340 nm	0.5%T

Long term stability	0.002 A/h
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Sample-temperature control	Approx. 4 - 90°C optional
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Instrument operation	<ul style="list-style-type: none"> ▪ +15°C to 35°C ▪ Rel. humidity max. 90% at 30°C
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ScanDrop UV Vis spectrophotometer

Application parameter

Scan application Simultaneous

Mode Energy, Absorption, Transmission

Cuvettes	Standard cuvette	ChipCuvette
Sample volume	Opt. 2 ml (min. 1.7 ml)	0.3 or 2.0 µl (max. 4.0 µl)
Path length	Up to 10 mm	0.1 or 1 mm

Other technical data

Weight Approx. 5 kg

Dimensions (W x H x D) Approx. 240 x 170 x 200 mm

Power supply 110 - 220 V +/- 10%, 50 - 60 Hz

Control Via HID-Pro 320 or PC controlled

Software ASpect Nano

PC interface USB port or R S232 interface

Guarantee 1 year warranty

Available ScanDrop systems

Instrument	Description	Order Number
ScanDrop 100	Instrument system BU, for 10 mm cuvettes, no PC, incl. ASpect Nano	844-00200-2
ScanDrop 200	Instrument system BU, for ChipCuvette, no PC, incl. ASpect Nano	844-00201-2
ScanDrop 250	Instrument system BU, combi instrument ChipCuvette and for 10 mm cuvettes, no PC, incl. ASpect Nano	844-00202-2
HID-Pro 320	Portable and versatile user-interface 5.7" touch screen, LAN, USB	844-00050-2



Subject to changes in design and scope of delivery as well as further technical development!