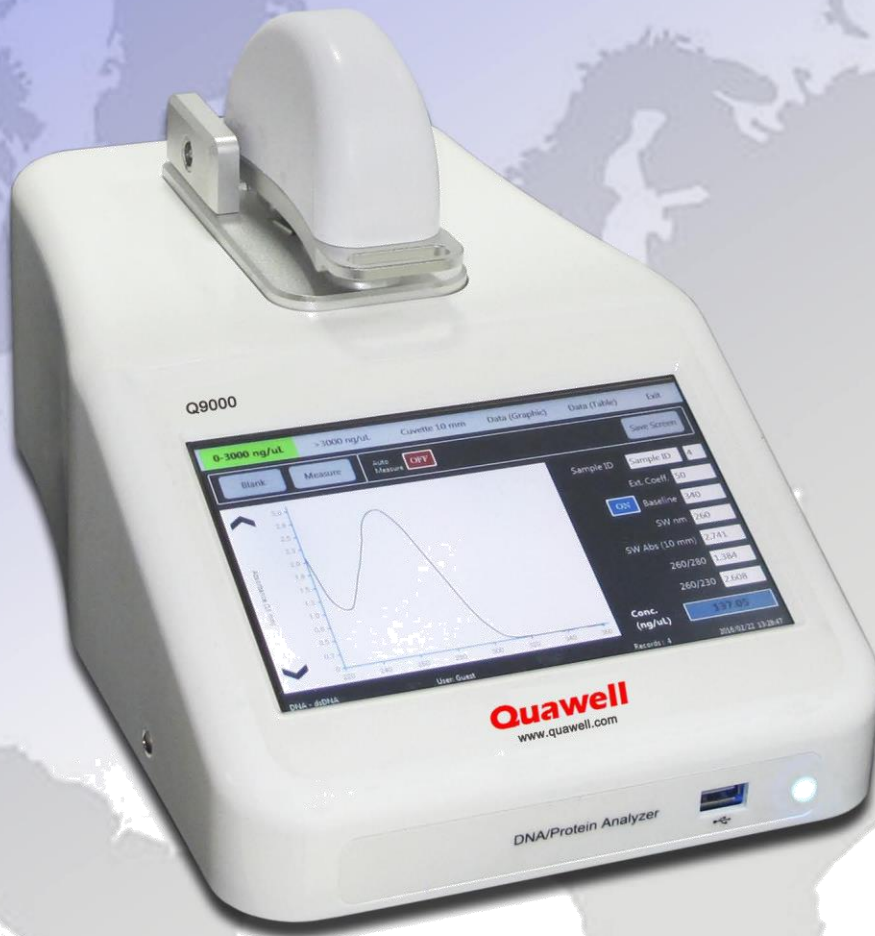
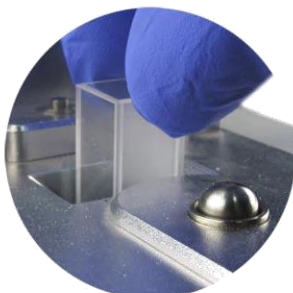


Q9000 Micro-Volume Spectrophotometers

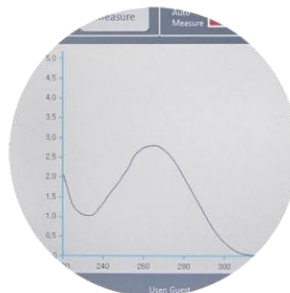
Quawell



Micro-Volume Mode



Cuvette Mode



7" Touchscreen



Embedded Computer

Q9000 Specifications

Sample Size	0.5 - 1.5 μ L
Optic Path Length	0.5, 0.25 and 0.05mm (auto selected option)*
Light Source	Xenon flash lamp
Wavelength Range	200-850 nm
Wavelength Resolution	1nm
Wavelength Accuracy	1nm
Absorbance Range	0.04 – 300 (10 mm)*
Absorbance Precision	0.002 Abs (1 mm)
Absorbance Accuracy	\pm 2% (at 0.674 Abs at 350 nm)
Detector Type	2048 element linear silicon CCD array
Detection Limit	2 ng/ μ L (dsDNA)
Max Concentration	15,000 ng/ μ L (dsDNA)*
Measurement Cycle	~ 3 -12 seconds
Dimensions and Weight	145 mm x 210 mm, ~ 3 kg
Operating Voltage	12 VDC
Power Consumption	15 W (operating)
Surface Construction	303 stainless steel and quartz fiber

* Option

Cuvette mode

Cuvette Specification	12.5 mm (L) x 12.5 mm (W) x 45 mm (H)
Path Length	10, 5, 2 and 1 mm
Optical Beam	8.5 mm from the bottom of the cuvette
Heat to Cuvette Holder	37 \pm 0.5 $^{\circ}$ C
Stir Speed	130-900 RPM
Absorbance Range	0.04 - 750

Computer

Display	7" High Resolution Tough Screen
Computer	Embedded Single Board Computer
CPU	Intel \circledR Atom TM
Memory	2GB DDR3 Memory
Storage	16GB Solid State Drive
USB Ports & Connectors	2x USB 2.0
Ethernet	Ethernet (10/100/1000Mbps)
Operating System	Win 7 (32)
Wi-Fi	Option

Selection List

	7" Touchscreen	Embedded Computer	2 – 3000 ng/ μ L *	3000 - 15000 ng/ μ L **	Cuvette
Q9000B	Yes	Yes	Yes		
Q9000C	Yes	Yes	Yes		Yes
Q9000M	Yes	Yes	Yes	Yes	
Q9000CM	Yes	Yes	Yes	Yes	Yes

* dsDNA 10 mm pathlength normal measurement mode

** dsDNA 10 mm pathlength high measurement mode