

Quawell Q6000

Micro Volume Spectrophotometer



Q6000 Specifications

Sample Size	1.5 µL
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	± 2% (0.0.337 Abs at 0.5 mm at 350 nm)
Detector Type	2048 element linear silicon CCD array
Detection Limit	2 ng/µL (dsDNA)
Max Concentration	15,000 ng/µL (dsDNA)*
Measurement Cycle	~ 3 seconds (Q6000B)
Dimensions and Weight	145 mm x 210 mm, ~ 2.5 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 ± 0.5 °C
Stir Speed	130-900 RPM
Absorbance Range	0.04 – 75 Abs

Selection List

	2 – 3000 ng/µL *	3000 - 15000 ng/µL *	Cuvette
Q6000B	Yes		
Q6000C	Yes		Yes
Q6000M	Yes	Yes	
Q6000CM	Yes	Yes	Yes

* dsDNA 10 mm pathlength normal measurement mode

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