



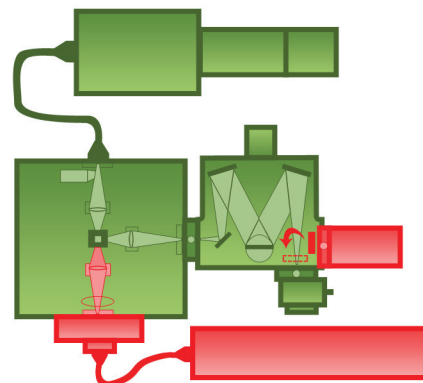
QuantaMaster™ 80

High Speed Spectrofluorometer with Q-11a Laser Lifetime Upgrade

Specifications

Steady State

Excitation Wavelength Range	290–650 nm
Wavelength Selection Speed	< 2 milliseconds point-to-point
Data Acquisition Rate	1 kHz single wavelength
Light Source	High power continuous Xenon arc lamp
Repetition Rate	1 to 200 Hz (software controllable)
Focal Length	150 mm
Bandpass	0–25 nm, continuously adjustable (computer control available)
Wavelength Accuracy	± 0.25 nm
Resolution	± 0.25 nm
Light Delivery	2 m Liquid Light Guide
Detection	Photon counting/analog
System Control	Computer interface with spectroscopy software



Lifetime

Lifetime Range	100 picoseconds to 50 microseconds
Wavelength Range	360 to 990 nm (depending on dye used) (235 to 990 nm with optional frequency doubler)
Pulse Width	800 picoseconds
Emission Range	185 to 680 nm (optional to 900 nm)
Detection	Time domain, patented stroboscopic technique
Repetition Range	2 to 20 Hz

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