



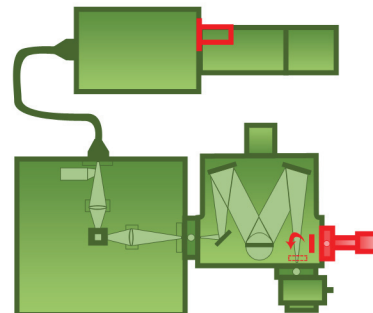
QuantaMaster™ 80

High Speed Spectrofluorometer with Q-73 NIR 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



NIR

Sensitivity	Singlet oxygen generated by 0.1 µM rose bengal in MeOH
Emission Grating	600 line/mm 1250 nm blaze
Optional Grating	75–2800 line/nm and holographic models available
Bandpass	0–50 nm emission, continuously adjustable (computer control available)
Wavelength Accuracy	± 2 nm emission
Resolution	1.0 emission
InGaAs Detector	500 to 1700 nm



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