



QuantaMaster™ 40

Steady State Spectrofluorometer with Q-73B NIR Upgrade

Specifications

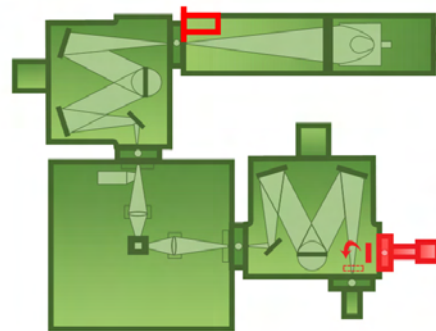
Steady State

Emission Range	185 to 680 nm (optional to 900 nm)
Detection Limit	460 attomolar
Steady State Light Source	High power continuous Xenon arc lamp
Monochromators	Czerny-Turner design
Focal Length	200 nm
Excitation Grating	1200 line/mm 300 nm blaze
Emission Grating	1200 line/mm 400 nm blaze
Optional Grating	75–2400 line/nm and holographic models available
Bandpass	0–24 nm, continuously adjustable (computer control available)
Wavelength Accuracy	± 0.25 nm
Resolution	0.25 nm
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	75–2400 line/nm and holographic models available
Bandpass	0–48 nm emission, continuously adjustable (computer control available)
Wavelength Accuracy	± 1 nm emission
Resolution	0.5 emission
InGaAs Detector	900 to 2200 nm

Unmatched NIR capability from 900 to 2200 nm!



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