



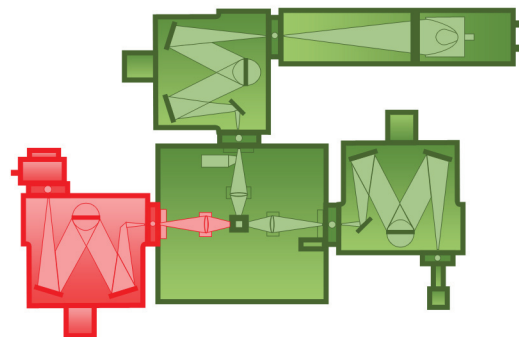
# QuantaMaster™ 50

NIR InGaAs Spectrofluorometer with Q-7 Second Emission Channel Upgrade

## Specifications

### NIR

Sensitivity	Singlet oxygen generated by 0.1 $\mu$ M rose bengal in MeOH
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	600 line/mm 1250 nm blaze
Optional Grating	75–2400 line/nm and holographic models available
Bandpass	0–25 nm excitation, 0–50 nm emission, continuously adjustable (computer control available)
Wavelength Accuracy	$\pm 1$ nm excitation, $\pm 2$ nm emission
Resolution	0.5 nm excitation, 1.0 emission
InGaAs Detector	500 to 1700 nm (1900 nm or 2200 nm optional)
System Control	Computer interface with spectroscopy software



### Second Emission Channel

Emission Grating	1200 line/mm 400 nm blaze
Optional Grating	75–2400 line/nm and holographic models available
Bandpass	0–25 nm, continuously adjustable (computer control available)