



# QuantaMaster™ 40

Steady State Spectrofluorometer with Q-9A Fluorescence Microscopy Upgrade

## Specifications

### Steady State

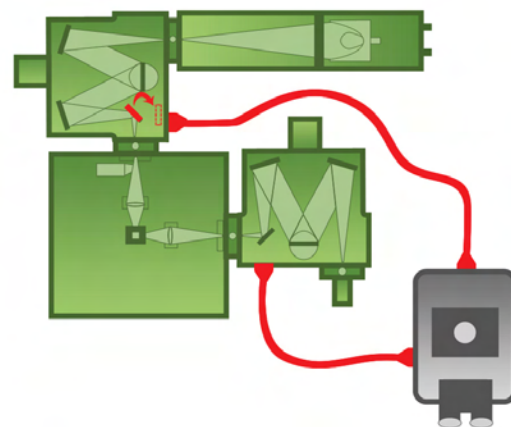
Emission Range	185 to 680 nm (optional to 900 nm)
Detection Limit	460 attomolar
Steady State Light Source	High power continuous Xenon arc lamp
Monochromators	Czerny-Turner design
Focal Length	200 nm
Excitation Grating	1200 line/mm 300 nm blaze
Emission Grating	1200 line/mm 400 nm blaze
Optional Grating	75–2400 line/nm and holographic models available
Bandpass	0–24 nm, continuously adjustable (computer control available)
Wavelength Accuracy	± 0.5 nm
Resolution	0.06 nm
Detection	Photon counting/analog
System Control	Computer interface with spectroscopy software

### Fluorescence Microscopy

#### Liquid Light Guide

Core Diameter	2 mm
Length	2 meters
N.A.	0.59
Transmission Range	280 to 700 nm (300 to 900 nm available)

*Allows emission wavelength selection when coupled to a microscope!*



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