



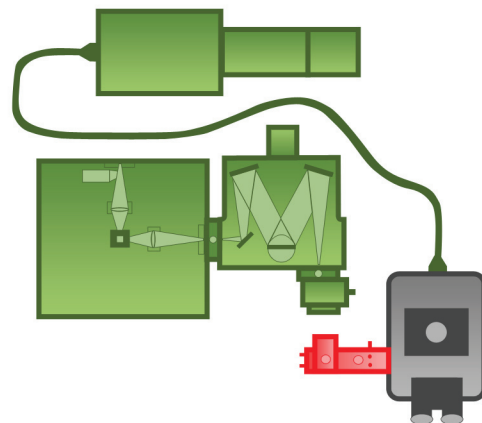
# QuantaMaster™ 80

High Speed Spectrofluorometer with Q-8a Fluorescence Microscopy Photometer 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



## Fluorescence Microscopy Photometer

### Photometer

Type	Single channel
Slit	Bilaterally adjustable/translatable iris
Eyepiece	Parfocal viewing
Filter holder	1-inch (filter not included)
Options	Second detection channel
Flipping mirror	View/measure

### 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)



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