



QuantaMaster™ 40

Steady State Spectrofluorometer with Q-8a Fluorescence Microscopy Photometer Upgrade

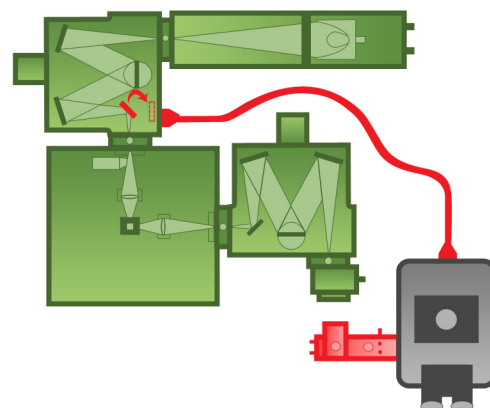
The Q-8a Fluorescence Microscopy add-on for QuantaMaster™ systems includes a liquid light guide to couple the excitation source of an existing system to a microscope, a excitation flipping mirror and a complete photometer using high sensitivity PMT detection (C port and adaptor for microscope required but not included).

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

For the most sensitivity when coupled to a microscope!



Fluorescence Microscopy Photometer

Photometer

Emission Range	85 to 680 nm (optional to 900 nm)
Emission Wavelength Selection	By means of filters - not included
Detection	Photon counting/analog
Type	Single channel
Slit	Bilaterally adjustable/translatable iris
Eyepiece	Parfocal viewing
Filter holder	1-inch (filter not included)
Flipping mirror	View/measure
Double or triple detection	Optional

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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