



# QuantaMaster™ 40

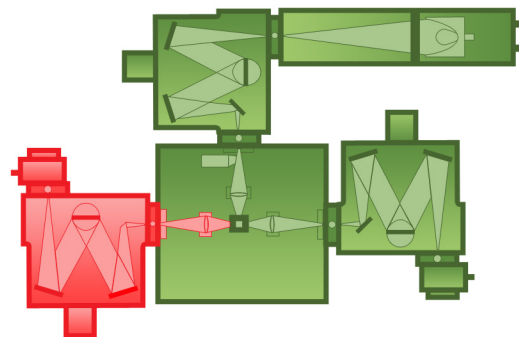
Steady State Spectrofluorometer with Q-7 Second Emission Channel Upgrade

The Q-7 Second Emission Channel add-on for QuantaMaster™ systems includes a second detector of the same type as the primary emission channel and a second channel quartz optics for the sample compartment is also 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



### Second Emission Channel

Emission Range	185 to 680 nm (optional to 900 nm)
Detection Limit	460 attomolar
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

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