



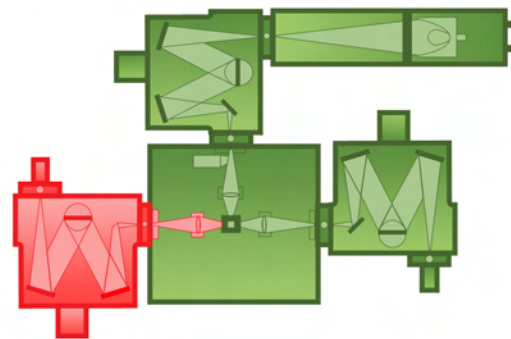
# QuantaMaster™ 40

Steady State Spectrofluorometer with Q-7N Second Emission Channel 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                 |



### 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 | ± 0.05 nm   |
| Resolution          | 0.06 nm   |
| Detection           | Photon counting/analog  |



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