



# QuantaMaster™ 40

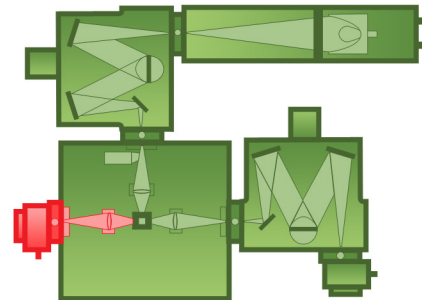
## Steady State Spectrofluorometer with Q-7b Second Emission Channel Upgrade

The Q-7b add-on for QuantaMaster™ systems includes a high sensitivity PMT detector coupled directly to the sample compartment, wavelength selection by means of filters. It can operate in both analog and digital (photon counting) modes. Additional optics for the sample compartment and a lid activated shutter are 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)
Emission Wavelength Selection	By means of filters - not included
Detection Limit	460 attomolar
Detection	Photon counting/analog

USA: Photon Technology International, Inc., 300 Birmingham Road, PO Box 272 Birmingham, NJ 08011  
Tel: 609-894-4420, Fax: 609-894-1579, E-mail: [marketing@pti-nj.com](mailto:marketing@pti-nj.com), [www.pti-nj.com](http://www.pti-nj.com)

Canada: Photon Technology International, Inc., 347 Consortium Court, London, Ontario, N6E 2S8  
Tel: 519-668-6920, Fax: 519-668-8437, E-mail: [sales@pti-can.com](mailto:sales@pti-can.com)

UK: Photon Technology International, Inc., Unit M1 Rudford Industrial Estate, Ford Road, Ford, West Sussex BN180BF  
Tel: +44 (0) 1903 719555, Fax: +44 (0) 1903 725722. E-mail: [sales@pti-uk.co.uk](mailto:sales@pti-uk.co.uk)

Germany: PhotoMed GmbH, Inninger Str. 1, 82229 Seefeld, Germany,  
Tel: +49 (0) 81 5299 3090, Fax: +49 (0) 81 5299 3098, E-mail: [sales@photomed.com](mailto:sales@photomed.com)

Denmark: PhotoMed GmbH, Sondre Alle 2, 4600 Koge Denmark,  
Tel: +45 5666 3386, Fax: +45 81 56663381, E-mail: [sales@photomed.dk](mailto:sales@photomed.dk)



Photon Technology International