



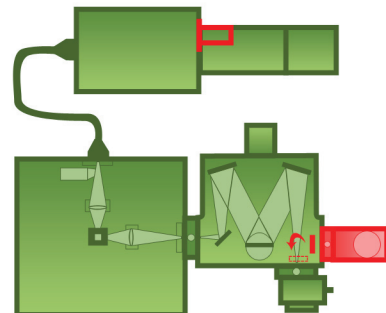
QuantaMaster™ 80

High Speed Spectrofluorometer with Q-73b NIR 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



NIR

Sensitivity	Singlet oxygen generated by 0.1 µM rose bengal in MeOH
Emission Grating	600 line/mm 1250 nm blaze
Optional Grating	75–2800 line/nm and holographic models available
Bandpass	0–50 nm emission, continuously adjustable (computer control available)
Wavelength Accuracy	± 2 nm emission
Resolution	1.0 emission
PMT Detector	900 to 2200 nm



Photon Technology International

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, 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

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

Germany: PhotoMed GmbH, Inninger Str. 1, 82229 Seefeld, Germany,
Tel: +49 (0) 8152 993090, Fax: +49 (0) 8152 993098, E-mail: sales@photomed.com