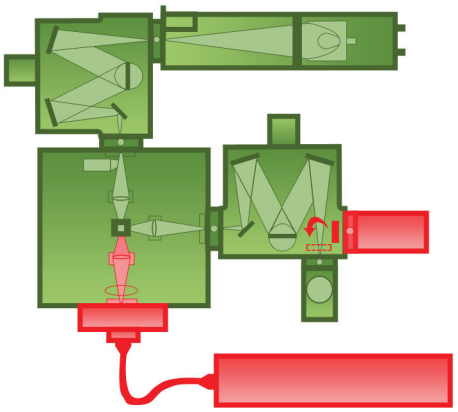
QuantaMaster™ 60

NIR PMT Spectrofluorometer with Q-11a Laser Lifetime Upgrade

Specifications

NIR

Sensitivity	Singlet oxygen generated by 0.1 µM rose bengal in MeOH
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	600 line/mm 1250 nm blaze
Optional Grating	75–2400 line/nm and holographic models available
Bandpass	0–25 nm excitation, 0–50 nm emission, continuously adjustable (computer control available)
Wavelength Accuracy	± 1 nm excitation, ± 2 nm emission
Resolution	0.5 nm excitation, 1.0 emission
NIR PMT Detector	300 to 1400 nm, 950 to 1400 nm, 300 to 1700 nm or 950 to 1700 nm
System Control	Computer interface with spectroscopy software



Lifetime

Lifetime Range	100 picoseconds to 50 microseconds
Wavelength Range	360 to 990 nm (depending on dye used) (235 to 990 nm with optional frequency doubler)
Pulse Width	800 picoseconds
Emission Range	185 to 680 nm (optional to 900 nm)
Detection	Time domain, patented stroboscopic technique
Repetition Range	2 to 20 Hz

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