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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

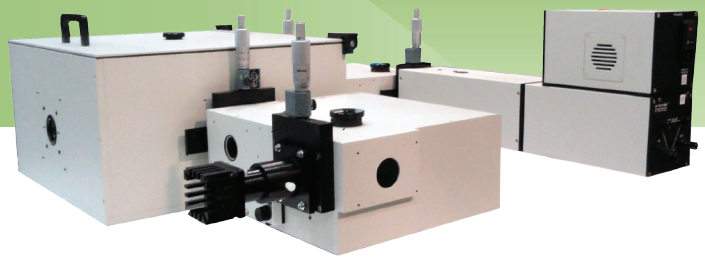
Expert team | Trust guarantee | 100% satisfaction

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Find the *Horiba / PTI QuantaMaster* at our website: ***Click HERE***

QuantaMaster™ 50

NIR with InGaAs Spectrofluorometer



The QuantaMaster™ fluorescence spectrofluorometer series from Photon Technology International offers high performance and the flexibility of PTI's modular "Open Architecture" design.

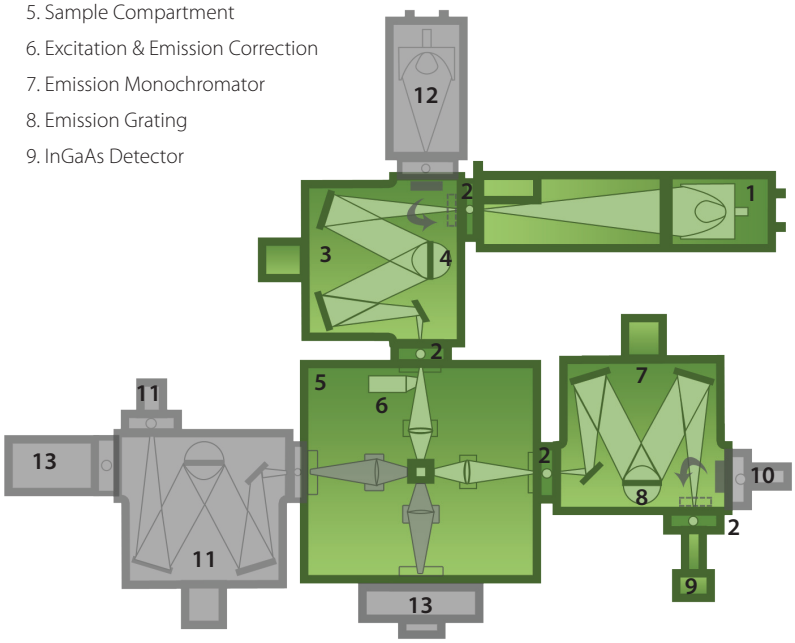
The QuantaMaster™ 50 NIR steady state spectrofluorometer Is based on TE-cooled InGaAs detectors. Its sensitivity is enhanced by using an optical chopper to modulate the excitation light and a lock-in amplifier on the detector end. Together with PTI's FelixGX software, the QuantaMaster™ 50 will meet your highest demands and be welcomed in a multiple user environment as well. So, whether you are a beginner, or an experienced fluorescence spectroscopist, the QuantaMaster™ 50 is designed to meet all of your needs and your budget!

STANDARD SYSTEM

1. High Intensity Continuous Xenon Lamp
2. Adjustable Slits
3. Excitation Monochromator
4. Excitation Grating
5. Sample Compartment
6. Excitation & Emission Correction
7. Emission Monochromator
8. Emission Grating
9. InGaAs Detector

OPTIONAL UPGRADES

10. Steady State Detection Upgrade
11. Dual Emission (T-format)
12. Phosphorescence Upgrade
13. Lifetime Upgrade



Applications

- Materials science
- Nanotechnology
- Singlet Oxygen
- Photodynamic therapy
- Photochemistry
- And many more!

Accessories

- Peltier sample heater/cooler with rapid temperature control
- Solid sample holder
- Powdered sample holder
- Cold finger dewar
- Muscle strip accessory
- Microcuvette
- Polarizers
- Four-position sample holder
- Remote sensing accessory
- Integrating sphere
- Stopped flow accessory
- Titrator

Upgrade Options

- Dual Emission (T-format)
- Steady State Detection Upgrade
- Phosphorescence Upgrade
- Lifetime Upgrade

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

QuantaMaster™ 50

NIR with InGaAs Spectrofluorometer

Specifications

Sensitivity	Singlet oxygen generated by 1 µM rose bengal in MeOH
Light Source	High power continuous Xenon arc lamp
Monochromators	Czerny-Turner design
Focal Length	200 mm
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
Wavelength Accuracy	± 0.5 nm excitation, ± 1.0 nm emission
Resolution	0.06 nm excitation, 0.12 nm emission
InGaAs Detector	500 to 1700 nm (900 nm or 2200 nm optional)
System Control	Computer interface, with spectroscopy software

PTI has a policy of continuous product development and reserves the right to amend specifications without prior notice.

Photon Technology International

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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We buy equipment

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