

ARTISAN®
TECHNOLOGY GROUP

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

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

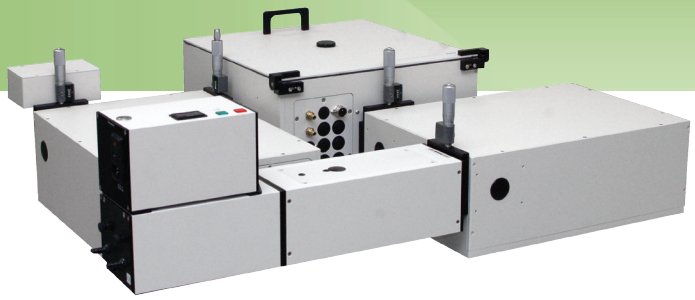
Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

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

QuantaMaster™ 400

Steady State Spectrofluorometer



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

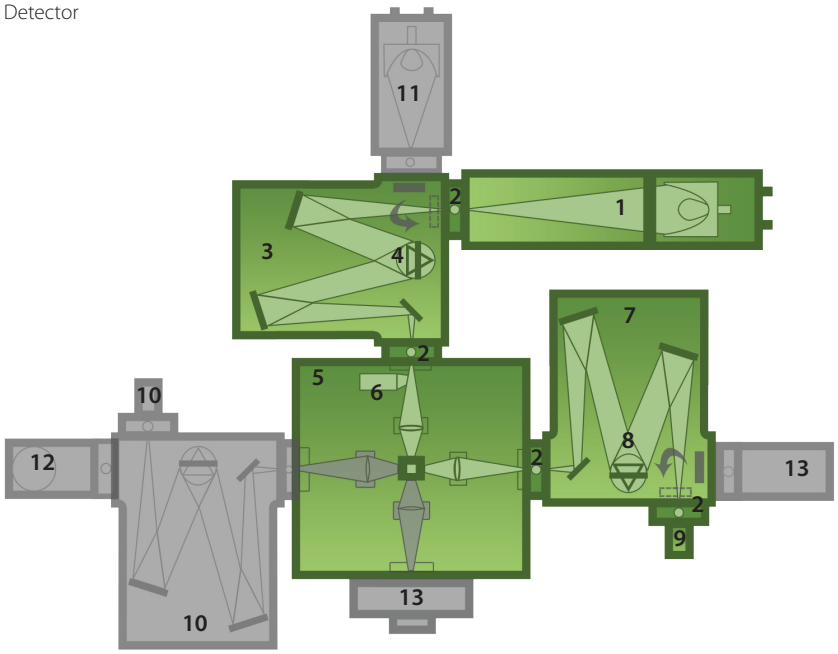
The QuantaMaster™ 400 steady state spectrofluorometer is the most sensitive bench-top fluorometer on the market today. Its signal to noise is 20,000:1, allowing the most minute traces of fluorescent materials to be detected and identified in samples. It features state-of-the-art high throughput monochromators with a triple motorized grating turret for easy extension of the spectral range and motorized flipping mirrors to make it easy to work with additional light sources and detectors. Together with PTI's own FelixGX software, the QuantaMaster™ 400 will meet your highest demands and be welcomed in a multiple user environment. So, whether you are a beginner, or an experienced fluorescence spectroscopist, the QuantaMaster™ 400 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 (motorized triple-grating turret)
5. Sample Compartment
6. Excitation Correction
7. Emission Monochromator
8. Emission Grating (motorized triple-grating turret)
9. Detector

OPTIONAL UPGRADES

10. Dual Emission (T-format)
11. Phosphorescence Upgrade
12. NIR Upgrade
13. Lifetime Upgrade



Applications

- Milliseconds kinetics
- Protein folding
- Protein-protein interactions
- Protein-drug interactions
- DNA binding
- FRET
- Polarization/anisotropy
- Quantum dots
- Nanomaterials
- Chemiluminescence
- Bioluminescence
- And many more!

Accessories

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

Upgrade Options

- Dual Emission (T-format)
- NIR Upgrade
- Phosphorescence Upgrade
- Lifetime Upgrade
- Microscopy Upgrade

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

QuantaMaster™ 400

Steady State Spectrofluorometer

Specifications

The following specifications are for the standard QuantaMaster™ system. Options and upgrades may be available upon request.

Detection Limit	400 attomolar of fluorescein solution in 0.1 M NaOH
Signal-to-Noise Ratio	20000:1
Maximum Data Acquisition Rate	1,000,000 data points per second
Minimum Data Acquisition Rate	1 point per 1000 seconds
Emission Range	185 nm to 680 nm (optional to 1010 nm)
Light Source	75 W xenon arc lamp standard (150 W to 1000 W available)
Excitation Monochromator	Coma-aberration corrected, asymmetrical, excitation optimized, Czerny-Turner design
Emission Monochromator	Coma-aberration corrected, asymmetrical, emission optimized, Czerny-Turner design
Grating Turret	Triple-grating, backlash-free, software controlled turret
Focal Length	300 mm
Excitation Grating	1200 line/mm 300 nm blaze (other gratings available upon request)
Emission Grating	1200 line/mm 400 nm blaze (other gratings available upon request)
Optional Grating	75–2400 line/nm and holographic models available
Stray Light Suppression	7×10^{-7}
Wavelength Accuracy	± 0.3 nm
Wavelength Repeatability	± 0.02 nm
Wavelength Resolution	0.022 nm
Slewing Speed	200 nm per second
Detection	Multimode: Photon counting, 3 analog (fast, medium, slow response), direct and single shot transient digitizer (SSTD) mode
System Control	Computer/ASOC-10 interface with FelixGX spectroscopy software

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

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

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

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

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP