



PTI RatioMaster™

Fluorescence Microscopy System

The PTI RatioMaster™ series from Photon Technology International features the patented DeltaRAM X™ high speed monochromator, which is capable of dynamic fluorescence measurements on a millisecond time scale

The PTI RatioMaster™ is a microscope-based ratio spectrofluorometer for the collection and analysis of ratio-metric photometry data for calcium, pH, and intracellular ion and FRET! The PTI RatioMaster™ offers researchers amazingly high speed measurements along with solid, dependable and sensitive detection. PTI RatioMaster™ is the only choice for both speed and sensitivity!



Applications

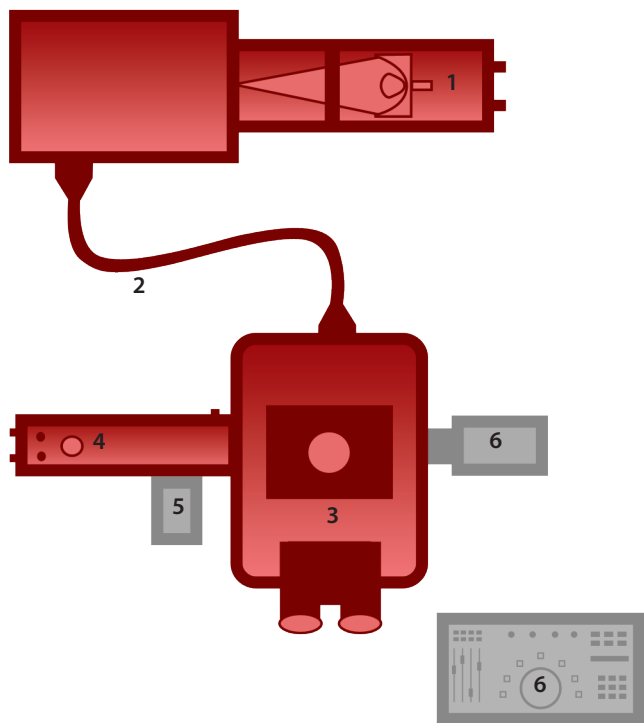
- Calcium measurement
- Other Intracellular Ions
- Membrane potential
- pH
- FRET
- And many more!

Accessories

- Second PMT Detector
- Video Edge Detection
- Dual C Port Adapter
- Patch Clamp

Upgrade Options

- Imaging Upgrade with Warp Drive control interface
- Macro Sample in Cuvette Upgrade
- Remote Sensing Upgrade



STANDARD SYSTEM

1. DeltaRAM X™ High Speed Monochromator
2. Liquid Light Guide
3. Microscope (user defined)
4. High Sensitivity Photometer

OPTIONAL UPGRADES

5. Second PMT Detector
6. Imaging Upgrade



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Specifications

Excitation Wavelength Range	290–650 nm
Wavelength Selection Speed	< 2 milliseconds point-to-point
Data Acquisition Rate	1 MHz 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
Wavelength Accuracy	± 1 nm
Resolution	0.5 nm
Light Delivery	2 m Liquid Light Guide

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



USA:	3880 Park Avenue Edison New Jersey 08820 Tel: 609-894-4420, Fax: 609-894-1579, E-mail: marketing@pti-nj.com , www.pti-nj.com
Canada:	347 Consortium Court, London, Ontario, N6E 2S8 Tel: 519-668-6920, Fax: 519-668-8437, E-mail: sales@pti-can.com
UK:	HORIBA UK Ltd 2 Dalston Gardens Stanmore Middlesex HA7 1BQ Tel: +44 (0) 20 8204 8142, Fax: +44 (0) 20 8204 6142, E-mail: info-sci.uk@horiba.com