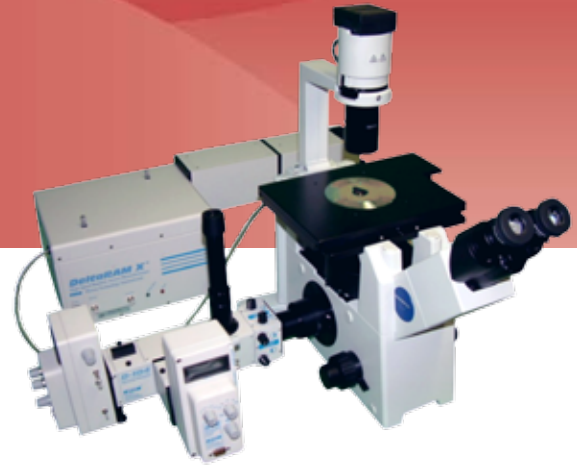




# RatioMaster™

## Fluorescence Microscopy System



*The 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 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 RatioMaster™ offers researchers amazingly high speed measurements along with solid, dependable and sensitive detection. RatioMaster™ is the only choice for both speed and sensitivity!

### Applications

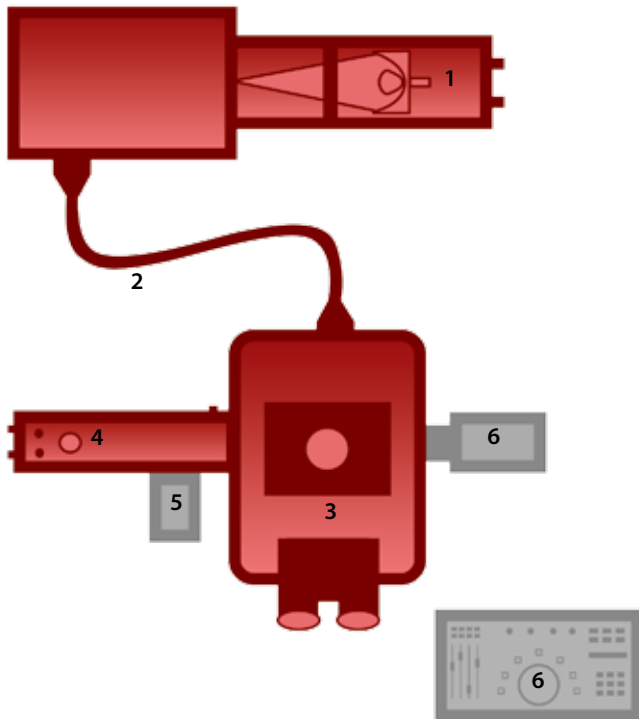
- Calcium measurement
- Other Intracellular Ions
- Membrane potential
- pH
- FRET
- And many more!

### 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





# RatioMaster™

## Fluorescence Microscopy System

### Specifications

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	± 1 nm
Resolution	0.5 nm
Light Delivery	2 m Liquid Light Guide

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