

PTI New Product Release

D-110 Tri-channel Photometer System Enhancement for Our RatioMaster™ and ImageMaster™ Product Lines

Introducing our new three channel photometer, an ideal system enhancement for our microscope based product lines. You now have the ability to detect three different wavelengths simultaneously. Like our other products, it will work with virtually any microscope that has a C-mount.

The D-110 is configured with the 914 PMT housing for use with new FelixGX software platform. PTI's philosophy is to make new options as backward compatible as possible thus extending the useful life of our systems. We therefore offer a second version of the tri-channel photometer, the D-109 which uses the older 814 PMT housings. The D-109 uses analog detection mode.

PTI was the first to offer photon counting single and dual channel photometers as early as 1987. We were also the first to introduce multi-mode detection—digital and analog for microscope photometry. The three-channel photometer is our continued commitment to bring state of the art equipment for microscopy to our customers.



Specifications:

Emission wavelength range:	290–850 nm, depending on microscope optics and photomultipliers
Wavelength selection:	Via dichroic filters and cubes
Wavelength accuracy:	+/- 1 nm
Optical bandpass:	Depends on filter choice, typically 10 to 50 nm
Data acquisition rate: (with supplied software and electronics)	50 kHz single wavelength with 1 MHz burst mode
Time response:	DC to 5 ns, depending on operation mode used
Focal length:	Compatible with standard "C" mount of microscope
Viewing aperture:	Single, rectangular, fully adjustable in X and Y position
Viewing eyepiece or camera port:	User can see aperture and image plane and adjust to suit
System control:	Software or manual control (high voltage control and mode select)
Mounting port:	"C" mount, but can be adapted to any microscope