

OBB New Product Release

Three Channel Photometer

Introducing our new three-channel photometer for virtually any make of microscope that has a C-mount. At OBB we've had numerous request for custom photometers so, by popular demand we decided to make the three-channel photometer a standard offering. You now have the ability to detect three different wavelengths simultaneously. The three-channel photometer comes complete with signal processing electronics and basic software.

We were 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 design state of the art equipment for microscopy.



Specifications:

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| Emission wavelength range: | 290–850nm, 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 1MHz 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 |



OPTICAL BUILDING BLOCKS CORPORATION

USA: OBB Corp. 300 Birmingham Road, PO Box 186 Birmingham, NJ 08011
Tel: 609-894-1541, Fax: 609-784-7809
E-mail: contact@OBB1.com, www.OBB1.com

Europe: PhotoMed GmbH, Inninger Str. 1, 82229 Seefeld, Germany
Tel: +49 (0) 8152 993090, Fax: +49 (0) 8152 993098
E-mail: sales@photomed.com