

## Model DPC-BA & DPC-MA Detector Modules



*The Model DPC-BA & DPC-MA Detector Modules are complete detector assemblies that contain a photon-counting photomultiplier tube in a compact enclosure with C-mount threads for easy microscope mounting. The Detector Module is designed for high-sensitivity photometry detection.*

**Light enters the Detector Module directly through a C-mount adapter. The C-mount adapter may be directly coupled to a microscope or attached to a fiber optic light guide. The light guide provides maximum flexibility for interfacing the detector to a cuvette assembly, a surface fluorescence probe or other**

**custom user-specific devices. The detector output is coupled to the Model DPC or PC-DAQ Controllers which reside in your PC. Together with Windows<sup>®</sup>-based software, the unit performs sensitive photon counting detection. Custom software drivers can be supplied for user-specific control functions or for OEM applications.**

**The Model DPC-BA and DPC-MA Detector Modules can be purchased as part of a complete fluorometer system or separately to serve as a stand-alone detection system. They can also be added to fluorescence imaging systems to provide a faster and more sensitive means of fluorescence detection and quantitation. In this application, data gathered using this detector with the Model DPC or PC-DAQ controllers is immediately available without time-consuming image analysis.**

**A calibrated iris is included to adjust the light level. The mount also includes a threaded holder for 1" or 25mm optics or filters. Other mounts are also available.**

### SPECIFICATIONS\*:

Size: (l) 10 ½ " (267mm) X (d) 2.2" (56mm)

Weight: Approximately 1.5 lbs

Power Requirement: 5V DC wall mount regulated supply (included)

PMT: DPC-BA 1 inch diameter end-on shielded BiAlkali for 280-630 nm range, max QE: 28%

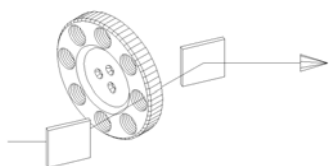
DPC-MA 1 inch diameter end-on shielded Multialkali for 280-850 nm range, max QE: 21%

PMT Window: Borosilicate glass, Fused Silica and UV Quartz available by special order

PMT high voltage power source: Internal power supply.

Optical Interface: C-mount threaded adapter (internal threads) standard, other configurations available.

PMT output: BNC connector, PositiveTTL logic (Photon counts).



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