

Model PC-DAQ PC-Based Instrument Controller



The Model PC-DAQ Controller is a PCI PC card that controls both the Model S48D Illumination Source and the Model D48 Detector Module. The Controller interfaces to these components as part of a complete multiwavelength fluorescence system. This Plug and Play-compatible card supports instrument control, pulse counting and analog data acquisition.

The Model PC-DAQ Controller is a PC card that can control both the Model S48D Illumination Source and the D48 Detector Modules. The card is easy to install and is Plug and Play compatible. A breakout box is also included for auxiliary analog inputs. Together with software, the card supports instrument control and contains a complete photon counting system for multiwavelength fluorescence measurements. It contains an A to D converter to allow capture of 8 channels of analog input with your photometry data. Optional D to A converters allow analog output of your photometry data.

Available for the PC-DAQ Controller is easy to use Windows[®]-based software. These packages include *FluorMeasure™* software for photometry and *FluorImage™* software for image acquisition. The software provides powerful instrument control, data acquisition, and data analysis. The data can be easily exported to other software programs for further analysis. The PC-DAQ Controller is available for purchase separately for use in analog data collection or as a component in a complete multiwavelength fluorescence system. Custom software drivers can be supplied for user-specific control functions or for OEM applications.

SPECIFICATIONS*:

Computer interface: PCI bus card, 32 Bit

Operating system: Windows[®] 98/2000/XP

Minimum system requirements: Pentium[®] III, 400 MHz, 64 MB RAM.

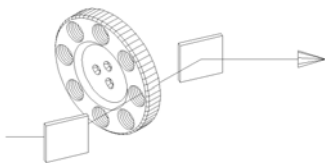
I/O interface: 68-pin, proprietary logic.

PMT input: SMA connector, TTL logic, 10 MHz maximum.

A/D Converter: 8 channel multiplexed, bipolar, +/- 5 V analog input, 10 bit, 10 µsecond conversion.

D/A Converters: 8 channels, 12 bit, 0-4.1 V output, software selectable gain (1, 2, 4, 8, 16X).

Breakout Box: 10 (l) X 5 (w) x 2 (h) inches, 8 BNC analog connectors, 5 I/O connectors.



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