光电倍增管
Photomultiplier Detection

Spectral Products

AD111 PMT 光电倍增管

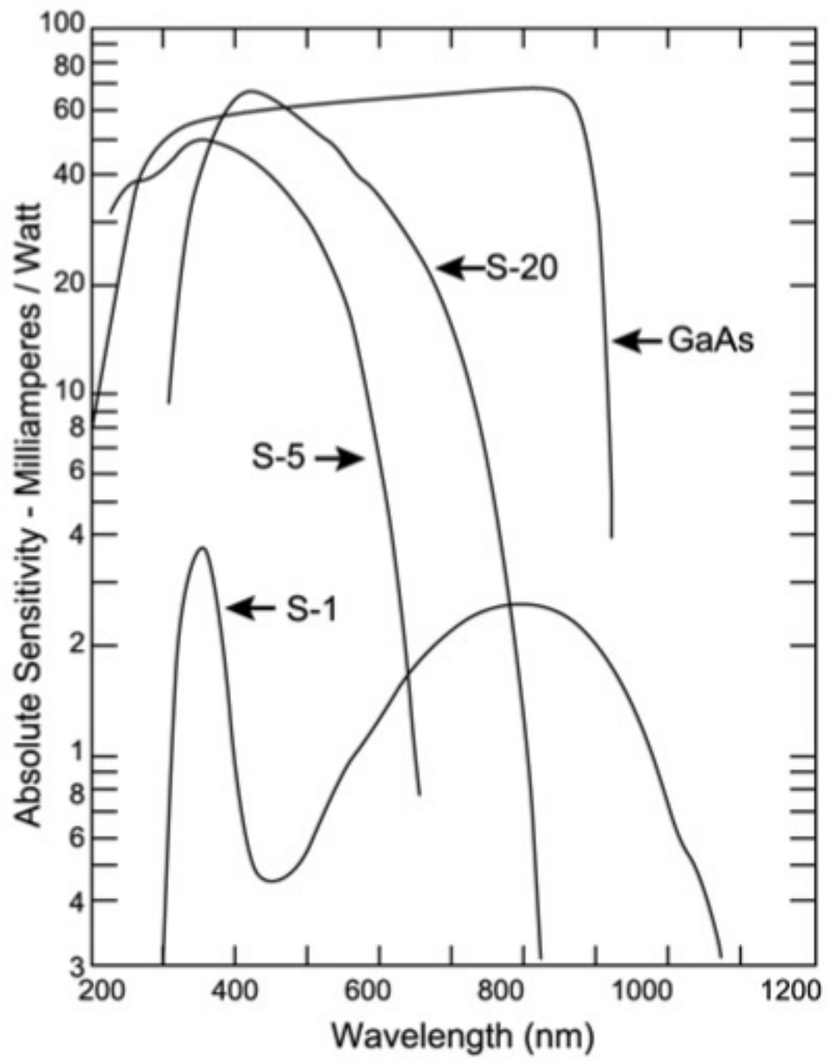
Photobye - P™ Photomutiplier Detection System

Features

- Provides a complete detection Sytstem for Spectral's Digikrom Monochromators.
- Easy USB interface.
- Wide selection of PMT's.

Specifications

Wavelength Range	per PMT detector.
High Voltage Range	0-1000 VDC
A/D Resolution	16 bit (Successive Approximation)
Response Rate	USB 2.0
High Voltage Resolution	244 mV
Data Resolution	76.3 uV, (data range = 0-5V)
Time Constant per step	Selectable from 1uS to 10 sec
Conversion time	2uS (Maximum)
USB 2.0 Transfer Rate	480 Mbits/sec
Amplification Gains	x1 to x10 (programmable)
Supply Voltage	100-240 VAC
Current Input Range	0 to -5μ amps
Software	Demonstration control program and abview driver included.



SP offers the following PMT's for use with the AD111:

SP Part# Code	PMT Type	Wavelength Range and Spectral Response
AD311	*R928P	185-900nm (S20)
AD321	R212	185-650nm (S-5)
AD322	R406	400-1100nm(S-1)
AD323	R777	185-850nm (S-20)
AD324	R636	185-930nm (GaAs)

* Selected for low noise Other PMT's are available from SP by request.

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