

Spectrometer : SP245

/ Features

- Low dark noise and stray light
- Flexible optical input direct to slit or via fiber
- Designed from the ground up for a wide range of applications
- High speed data acquisition
- Standard design allows up to 200-1050nm range
- USB 1.1/2.0 interface with 16bit
- Supports up to 8 USB multi-channel configuration
- NEW UV enhancing coating



/ Specifications

Detectors	Sony ILX511 (UV Enhanced Coated) ▶ Number of Pixels : 2048 ▶ Sensing Pixel Size : 14 μm X 200 μm ▶ Sensitivity : 180V/(lx s)@660 nm ▶ Well depth : 62,500e-
Dark Noise RMS	< 35 RMS counts @ 35 msec
Signal to Noise Ratio	>250 : 1
Fiber Coupler	SMA905 of FC standard
Wavelength Range	Full Range : 200 ~ 1050 nm UV Range : 200 ~ 450 nm VIS Range : 380 ~ 760 nm NIR Range : 550 ~ 1050 nm
Order Sorting Filter	Longpass filter or linear variable filter installed per wavelength coverage
Optical Resolution	0.3 ~ 7 nm FWHM
Stray Light Level	< 0.3% @632 nm (< 0.1% AVG)
Computer Interface	USB 1.1/2.0 compatible
Min. Exposure Time	1 msec
Trigger Mode	Free Run S/W Trigger H/W Trigger
Operating System	Window® XP / VISTA / Win7(32 / 64bit) / Win8.1 (32 / 64bit)
SDK Support	Visual C++ / Visual Basic / LabVIEW
Dimensions / Weight	90 mm X 70 mm X 44 mm / 0.4 Kg