

DCS210PC Photon Counter



DCS210PC single photon counter, in photon counting function it based on the realization chopper control function phosphorescence and fluorescence lifetime testing. The instrument is also equipped with 3DC voltage input analog signal acquisition channel (16Bits, 0~10V) and 1 analog signal output channels (12Bits, 0~10V), convenient combination system.

The instrument of the chopping mode can enhance the signal-to-noise ratio, With the Company's production of Omni- λ spectrometers/monochromator, efficient and stable light source, high sensitivity detectors, greatly enhance the sensitivity measurements, making the water Raman signal to noise ratio up to 4000:1.

DCS210PC photon counter lifetime measurement functions, with the Company's production of Omni- λ spectrometers/monochromators, pulsed light source module, SAC-FS fluorescence of the sample chamber, high sensitivity detector, can achieve>10uS long-life measurements, especially in strong light fluorescent powder and rare earth sample measurement. Instrument Response width:1uS. Achieve lifetime measuring range: 10uS~10S.

Specifications :

One Photon Counter Channel	Photon counter rate:100 Mcps
Three Analog Input Channels	Signal input range: 0~10V voltage input AD conversion accuracy: 16 bits
One Analog Output Channel	Voltage output range: 0~10 VDA conversion accuracy: 12 bits
Trigger Mode	External trigger input interface: TTL level compatible software trigger: receive instruction start count
Chopping Mode	Chopper control function, enhance the signal to noise ratio
Life Measurements Function	Life measurement range:10 μ S~10S Instrument Response Width:1 μ S
Interface	Standard USB interface
Instrument Size	240mmX240mmX120mm
Power Supply	AC110V/220V
Weight	3.4kg

Single Photon Counter		
	DCS210PC	Description
Photon Counter Channel	One channel	Photon counter rate:100 Mcps
Analog Input Channels	Three channels	Signal input range: 0~10V voltage input; AD conversion accuracy: 16 bits;
Analog Output Channel	One channel	Voltage output range: 0 ~ 10 VDA conversion accuracy: 12 bits
Trigger Mode	software trigger	receive instruction start count
	External trigger	External trigger input interface : TTL level compatible
Chopping Mode	Yes	Chopper control function, enhance the signal to noise ratio
Life Measurements Function	Yes	Life measurement range:10 μ S~10S
		Instrument Response Width: 1 μ S
Interface	Standard USB interface	
Instrument Size	240mm X 240mm X 120mm	
Power Supply	AC110V/220V	