


물품 규격(사양)서

※ 특정회사 특정모델만 충족 가능한 규격 불허. 반드시 2개사 이상의 제품이 충족하도록 작성
 ※ 필요시 본 양식이 아닌 다른 양식으로 작성 가능하나, 하기 내용이 빠짐없이 포함되어야 함

부서	분자과학기술학과	연락처	2522	인도 조건	현장설치도
품명	FS-5 Spectrometer	수량	1	단위	

1. 물품내역

항목	세부사양
형태(모양)	
크기	104cm(W)X59cm(D)X32cm(H)
용량	
재질	금속외관
기타 규격	1) PL The FS5 is a bench top system for measuring fluorescence steady state spectra using the method of single photon counting. The system has a standard Signal to Noise Ratio of >6,000:1 for the standard water Raman scan. Optical System *All reflective *Czerny Turner excitation and emission monochromators *Bandpass from 0* to 30 nm, continuously adjustable via software (*resolution limit of 0.3 nm) *Wavelength accuracy ± 0.5 nm *Scan speed 100 nm/s *Sensitivity > 6000:1 (FSD Method)

기타 규격	<p>2) TCSPC</p> <p>Allows the measurement of fluorescence decays in the time range 150 ps* to 10 μs using the method of Time Correlated Single Photon Counting (TCSPC). The TCSPC version adds an alternative left side cover for the FS5 spectrometer containing an EPL/EPLED mount and additional TCSPC electronics.</p> <p>At least one TCSPC source (EPL/EPLED) needs to be purchased to make use of the upgrade. The EPL/EPLED can be used as a source for Multi-Channel Scaling (MCS) phosphorescence measurements.</p> <p>*Light source dependant. Additional Light Source Coupling</p> <p>*Mounting for EPL and EPLED picosecond light sources</p> <p>*Alternative LHS cover for FS5</p> <p>Additional Data Acquisition Electronics</p> <p>*TCSPC acquisition</p> <p>*Variable timing delays (TCSPC mode)</p> <p>*Full time range: 2.5 ns to 50 μs (TCSPC mode)</p> <p>*No. of time bins for full time range: 512 to 8192, nominal minimum bin width 305 fs (TCSPC mode)</p> <p>*Electronic jitter <25 ps (TCSPC mode)</p> <p>Detector Response Width: 600 ps</p> <p>Additional Software Features</p> <p>*full reconvolution analysis of up to 4 exponentials based on Marquardt-Levenberg algorithm</p> <p>*Time Resolved emission Spectra (TRES) acquisition and data slicing</p>
부속품	<p>1) 405 nm (±5 nm) picosecond pulsed diode laser</p> <p>2) Standard filter set:</p> <p>Set of 7 colour filters with cut-off wavelength of 330 nm, 395 nm, 455 nm, 495 nm, 550 nm, 590 nm, and 645 nm. All filters are of the size of 50 mm x 50 mm and fit into the filter holders of the Edinburgh Instruments spectrometers. The filter set is supplied in a storage box.</p> <p>3) Replacement 150W Xenon lamp bulb</p>
<p>* 상기 항목은 필요에 따라 변경 가능하며 작성란이 부족한 경우 별지 작성할 것.</p> <p>2. 납품조건 (포장, 현장설치 여부등)</p> <p>: 현지설치</p> <p>3. 납품기한 (특정일 / 계약일로부터 00일 이내 등)</p> <p>4. 납품장소 (구체적인 위치, 00관 00호 등)</p> <p>: 서관 233호 (변동가능)</p> <p>5. 하자보수조건 (무상 하자보수 0년 등)</p> <p>6. 기타요구사항 (검사검수, 교육 등)</p>	

