

# JASCO X-LC<sup>®</sup> Ultra High Performance Liquid Chromatography (UHPLC)

## X-LC 3120FP Fluorescence Detector



### Specifications

Optical system	Monochrometer	Holographic concave diffraction grating (for EX and EM wavelengths)
	Light source	150 W Xenon lamp (mounted horizontally)
	Wavelength range	220 to 700 nm (for EX and EM wavelengths)
	Spectrum bandwidth	Excitation side: 18 nm Emission side: 18 and 40 nm (two-step switching)
	Detectors	Excitation side: Photodiode Emission side: Photomultiplier
	Flow cell	Flow cell capacity: 1 $\mu$ L
Control system	Sensitivity	0.06 ppb (Quinine sulfate in 0.1 N sulfuric acid solution, S/N=2, EX: 350nm, EM: 460nm, Standard 1 $\mu$ L flow cell, Response: Slow in X-LC mode)
	Response	Fast, Standard, and Slow (X-LC mode and LC mode), digital filter methods (only for LC mode)
	Data output speed	50 data points/sec
Program functions	Time programmability for EX wavelength, EM wavelength, gain, attenuation, wavelength scan, etc.	
	Wavelength scan function	Excitation spectrum and emission spectrum measurement (manual and time program)
	Spectrum storage (10 excitation spectra and 10 emission spectra) and spectrum output (difference spectrum)	
Dimensions and weight	300 (W) $\times$ 470 (D) $\times$ 150 (H) mm, approx. 19 kg	

● Specifications are subject to change without notice.



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