

# LC 6000

Specification sheet

# SCION 6440 Fluorescence Detector

## MAIN UNIT

### Dimensions & Weights

Dimensions (W x H x D)	340 x 280 x 440 mm
Weight	25 kg
Power Supply	AC 100 to 240 V ( 50/60 Hz ) / 330VA
External Communication	E-line (RS242, USB 2.0)

### Optical System

Source	Xe lamp, Hg lamp (Wavelength calibration)
Excitation wavelength range	200~850 nm
Emission wavelength range	250~900 nm
Excitation spectral bandwidth	15 nm
Emission spectral bandwidth	15 nm, 30 nm (Selectable)
Wavelength accuracy	< ±3 nm
Wavelength reproducibility	± 0.5 nm
Response	0.01, 0.02, 0.05, 0.1, 0.5, 1.0, 2.0 s (7 steps selectable)
Sensitivity	S/N > 3000 versus a Raman peak of water (Specified conditions)
Flow cell	12 µL, 1.0 Mpa
Flow cell temperature control range	40° C (Thermo cell only, optional, Operation temperature 4~30°C)
Time program	9 steps, Up to 600 minutes by increments of 0.1 minute Hg lamp
Wavelength accuracy check	Hg lamp (254 nm), Auto check



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