

FE30 FLUORESCENCE SPECTROMETER

High-sensitivity fluorescence measurements for advanced research and analysis.

A high sensitivity fluorescence spectrometer with extended wavelength range and very fast scanning rate for demanding laboratory applications.



KEY FEATURES

- > Water Raman
S/N > 15,000:1
- > Wide wavelength range 200 - 900 nm
- > Fast scanning rate
60,000 nm/min
- > Optional laser source

APPLICATIONS



SPECIFICATIONS

Excitation Source	High Intensity 150 W Continuous Xenon Lamp
Wavelength Range	200 - 900 nm
Wavelength Accuracy	±2.0 nm
Wavelength Repeatability	±1.0 nm
Detector	Photomultiplier tube, continuously adjustable negative high voltage 200-1,000 V
Spectral Bandwidth	Excitation wavelength: Selectable 1, 2.5, 5, 10, 20 nm Emission wavelength: Selectable 1, 2.5, 5, 10, 20 nm
Wavelength Scan Speed	Max 60,000 nm/min Selectable from 30, 60, 240, 1,200, 2,400, 12,000, 60,000 nm/min
Scan Interval	0.1 - 10.0 nm
Sensitivity	Signal-to-Noise level using Raman peak of water, excitation 350 nm is 750:1 measuring RMS noise at the Raman peak. 15,000:1 measuring RMS noise at the background
Fluorescence Value Drift	<1.5% Ex: 350 nm, Em: 450 nm (within 10 minutes)
Fluorescence Value Range	0 - 50,000
Software	Spectracle® PC-controlled software