



The SSM150Xe switching monochromator (100nm in 50ms) was purposely designed for use in fluorescence and spectroscopic imaging.

The design of the continuously tunable (280-700nm*) light source maximises the optical power available from 75W Xenon lamp producing up to 5mW in 12nm bandwidth.

(* Alternative gratings available for use over other ranges 200-1100nm)

Main features

Light source:	Integral 75W high-brightness Xe lamp and p.s.u. Typical output >4mW in 12nm bandwidth at 475nm.
Wavelength range:	Typically 280-700 nm 1nm resolution +/- 1nm precision using 1200 g/mm grating. (Alternative gratings available for use over other ranges 200-1100nm)
Switching time:	100ms max per wavelength change 50ms for 100nm wavelength change
Output bandwidth:	6, 12, 20 & 40nm via user selectable slit set. Other bandwidths to 1nm are available
Coupling:	High throughput robust silica fibre or liquid light guide allowing ease of mounting to microscope adapter
Construction:	Monolithic unit, ideally suited for OEM applications

SSM150Xe

Switching monochromator/
High intensity tunable light source

Additional Information

Control interface: USB + Windows DLL + demo application

Calibration data supplied with each unit

Construction is integral providing high stability and ease of mounting into 19" rack

Flexible mains operation 110/240V

Options

1m Silica random bundle, core 1.5mm optimally filled, ferrule OD 4mm, bundle NA = 0.22

1m Solid Silica fibre, core 1.5mm optimally filled, ferrule OD 4mm, NA = 0.25

Liquid light guides and other coupling alternatives available

Adjustable collimating input adapter for microscopes available
