



The FSM150Xe fast-switching monochromator (100nm in <1-6ms) 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.

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.
Switching time:	3ms max per wavelength change <2ms for 100nm wavelength change Typical 200nm step complete to within 1nm in 1.6ms, 60nm step within 1nm in 1.0ms
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

FSM150Xe

Fast-switching monochromator/
High intensity tunable light source

Additional Information

Control interface: 0 to 3.2 volt dc signal and TTL shutter

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
