



*Fast-switching monochromator /  
High intensity tunable light source*

**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:	
<b>Light source:</b>	Integral 75W high-brightness Xe lamp and p.s.u. Typical output >4mW in 12nm bandwidth at 475nm.
<b>Wavelength range:</b>	280 - 700 nm 1nm resolution +/- 1nm precision using 1200 g/mm grating
<b>Switching time:</b>	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
<b>Output bandwidth</b>	6, 12, 20 & 40nm via user selectable slit set. Other bandwidths to 1nm are available
<b>Coupling:</b>	High throughput robust silica fibre or liquid light guide allowing ease of mounting to microscope adapter
<b>Construction:</b>	Monolithic unit, ideally suited for OEM applications

# *FSM150Xe Fast-scanning monochromator / High intensity tunable light source*

---

## ***Additional Information***

---

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

---

Optional PC interface card and driver

---

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

---