

# ML44

## Multi-Purpose Compact Monochromator



- Extremely high aperture ratio
- Compact size and light weight
- Friendly interface compatible with Windows 98/ME/2000/XP and providing convenient and easy control over the device from your PC as well as by the control programme of your system. SDK is available upon request
- Using quartz fibers ensures flexible arrangement of your system components

The ML44 high-aperture compact monochromator is used for separation of monochromatic radiation, study of light sources and detectors, analytical problems solution and other applications within the 200-1200 nm spectral range.

### Product Specifications\*

Wavelength Range, nm	200 – 1200	
Focal Length of the collimator and camera lenses, mm	44	
F/Number	1 : 2.9	
<b>Gratings</b>		
lines/mm	1200	600
size, mm	25 x 20 x 6	
spectral range, nm	200 – 600	600 - 1200
blazing wavelength, nm	270	700
reciprocal linear dispersion (average), nm/mm	18.7	37.4
wavelength step size, nm	0.125	0.25
wavelength accuracy, nm <sup>1)</sup>	± 1.0	± 1.5
wavelength repeatability, nm	± 0.25	± 0.5
<b>Entrance/exit slits (replaceable)</b>		
width, mm	0.02; 0.05; 0.1; 0.25; 0.5; 1.0	
height, mm	3.0	
Computer interface	RS 232	
Optical input/output	- UV Optical Fiber (dia 0.6 mm, 1m long, SMA-905 connector) – 2pcs - condensor f=16mm – 2pcs	
<b>Overall Size</b>		
monochromator	154 x 114 x 147	
power supply unit	90 x 155 x 40	
<b>Weight, kg</b>		
monochromator	2.1	
power supply unit	0.6	

\* Specifications are subject to change without notice  
1) measured when illuminated by a wide-band source