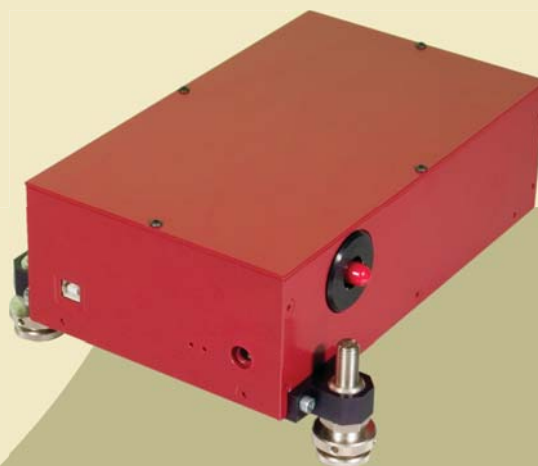




### Spectrometer ASP-IR

- Broad IR spectral range
- Compact
- High resolution down to 0.05nm
- Resolution 0.35 nm
- USB interface
- Model ASP-1RF has an FC fiber input



Spectrometer ASP-IR

#### Product overview

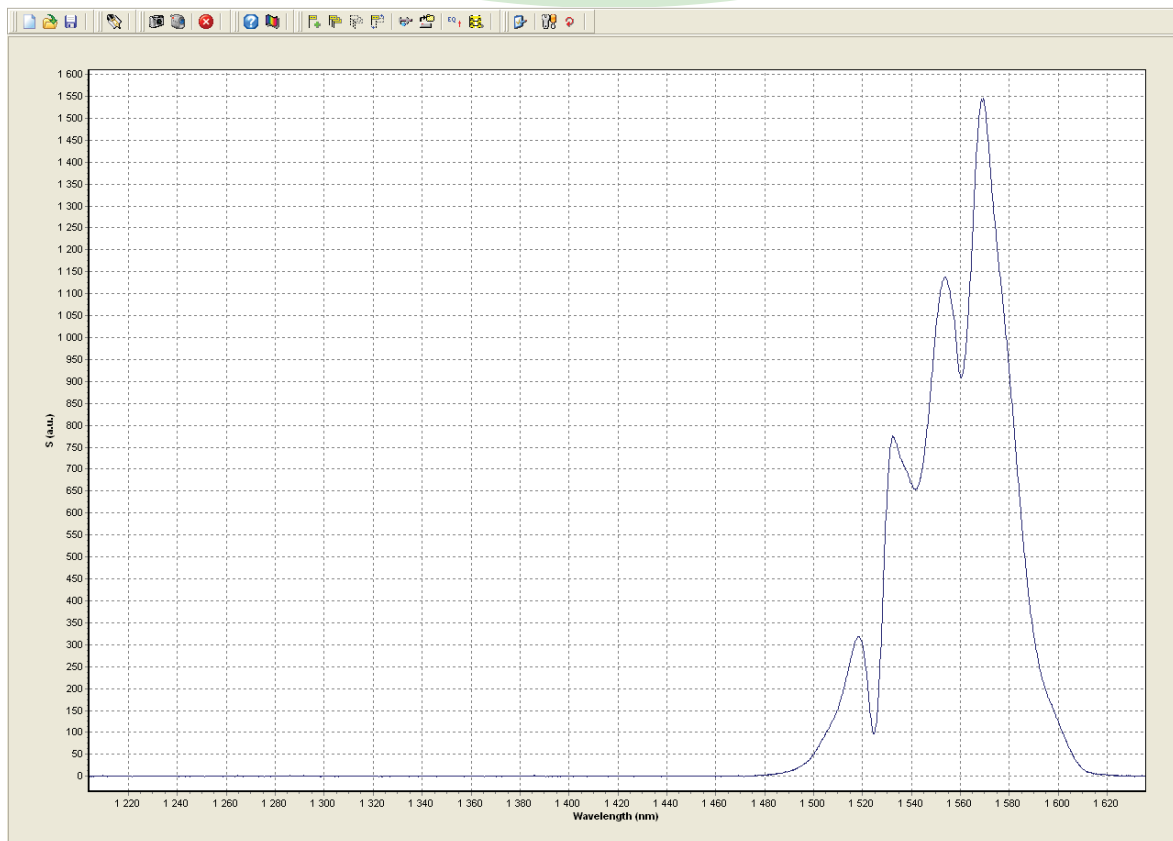
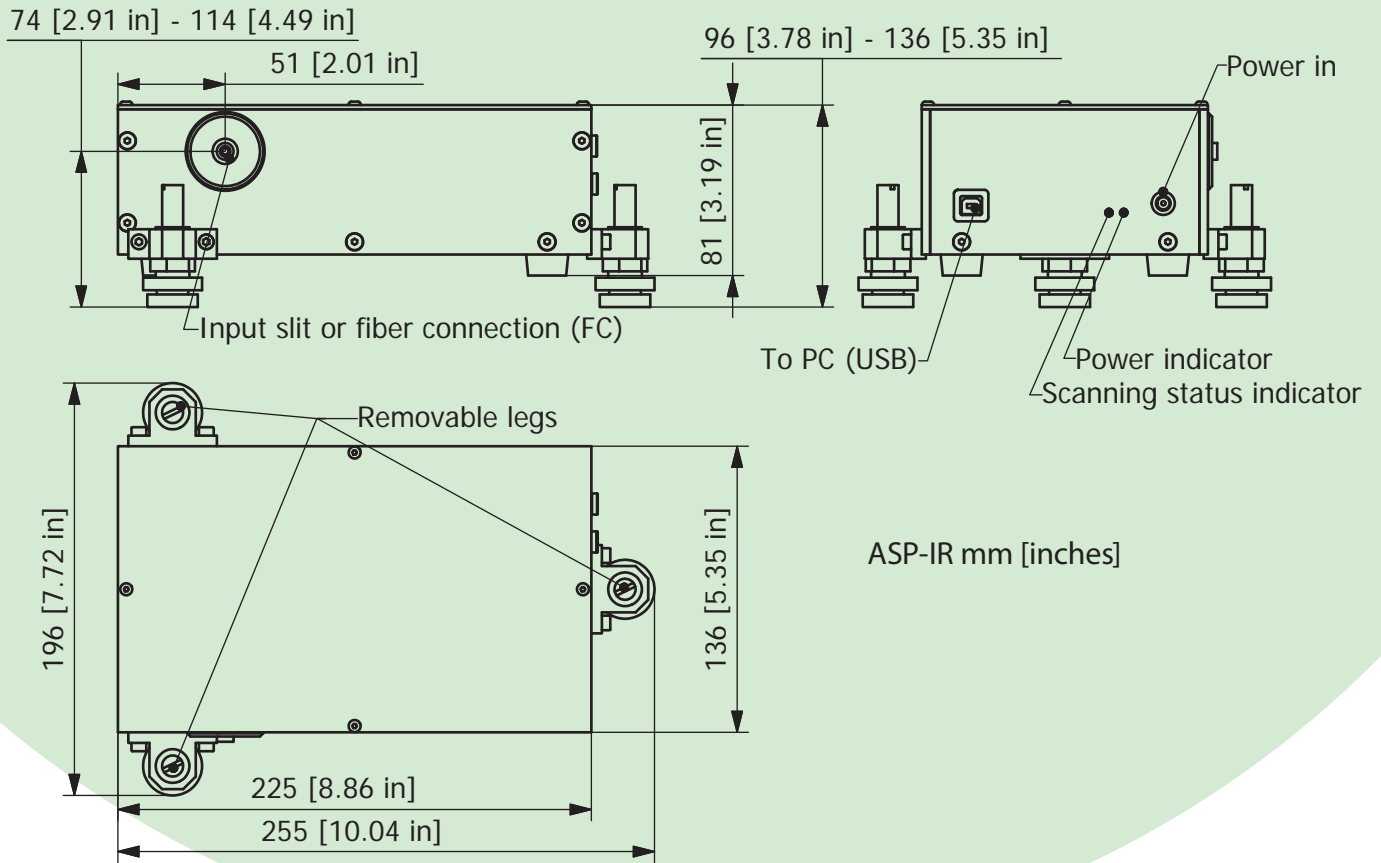
The ASP-IR boasts a scanning mechanism that allows measurements in IR range without using an expensive CCD array. This makes the spectrometer very attractive in terms of price in the market of IR spectrometers. The ASP-IR has impressive characteristics that provide precise laser emission analysis along the whole registered range with resolution 0.35 nm.

The ASP-IRF has a special fiber input, allowing measurement of either free-space or fiber signals without any realignment.

Wavelength range up to 3800 nm is also available upon custom orders.

#### ASP-IR technical specifications

	ASP-IR	ASP-IRH
Optical scheme	Cherny-Turner	
Spectral range, nm	800-1680	1200-2600
Grating, grooves/mm	600	400
Scanning speed, nm/s	up to 350	up to 500
Spectral resolution, nm (input slit)	0.35	0.6
Spectral resolution, nm (fiber input)*	0.6	0.9 (up to 2.2 μm)
Registration system	InGaAs diode	
Input slit, μm	12	
Focal length, mm	150	
Cell width, μm	15	
Cell height, μm	300	
Laser repetition rate, kHz	> 30	
Sensitivity, μW/nm bandwidth	50	
ADC	12 bit, 4096 counts	
Fiber input*	FC	
PC connection	USB	
Dimensions, mm	81x136x225	
Weight, kg	2.5	
* - Model ASP-IRF		



Er fiber laser spectrum registered by ASP-IR