

Smart Laser & Plasma Systems

# Optical Fiber Spectrometer



## Model Number

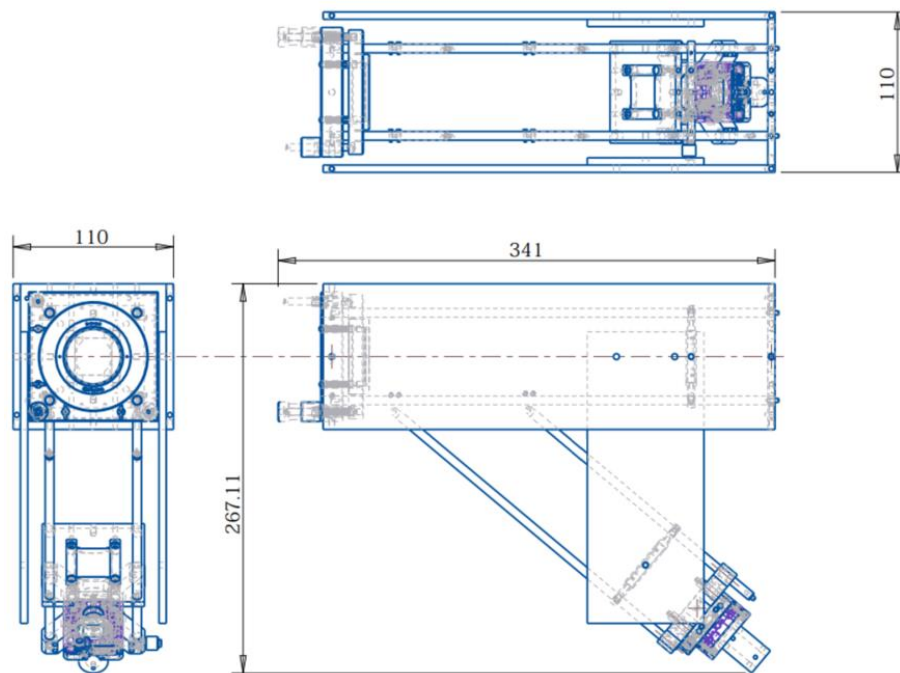
Optical Fiber Spectrometer : OFS-LIBS-1

## Specification

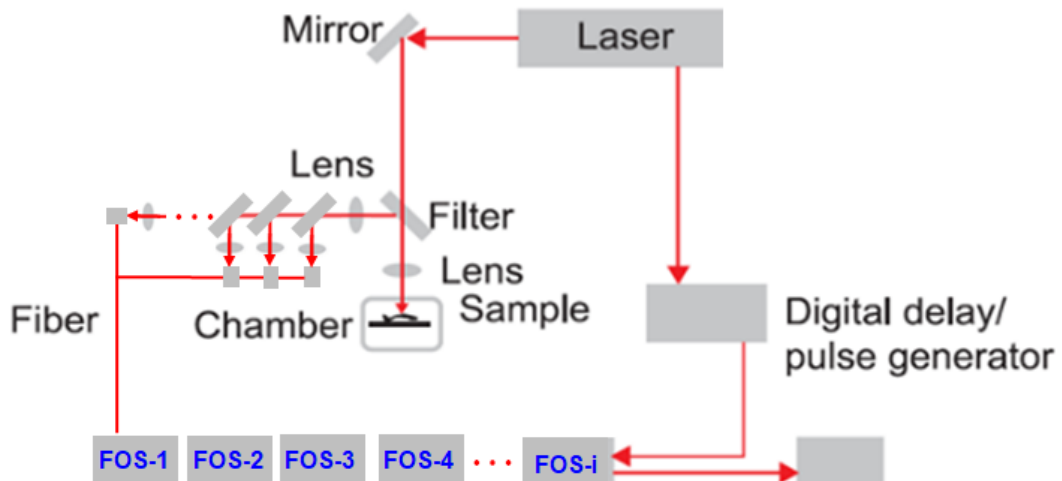
Number of channels	1-12ch (extensible)
Wavelength	180-500nm (other wavelength range : avarable)
Diffraction Efficiency	> 50% @200nm, >34 @ 300nm, >32 @ 400nm
Effective pixels	2048x1
Pixels size	14×200 $\mu$ m
FWHM	~0.01nm/Pixel
Dynamic Range	5400
AD	16 bit
Gate	Rise: <200ns Gate width: 5 $\mu$ s~
Fiber type	Fiber Bundle Core Diameter $\varnothing$ 200 $\mu$ m Solarization Resistant with Acrylate Coating, for 180 - 1200 nm
Environment	Temperature : 10~40°C Humidity : 30~80%RH (No Condensation)

## Dimensions

- 1 ch unit : Build-in type



## Applications



### Setting of each FOS

- Individual gate timing
- Individual wavelength range
- Individual wavelength resolution



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