

# GMS - 850 Grating monochromator/spectrograph



**GMS-850** is the long focal length monochromator and spectrograph with unique mechanical design, multiport optical system, motorized triple grating turret, wide scanning range and high spectral resolution. Granite base is guarantee high level mechanical and temperature stability.

## Specification

Parameter	Value
Focal length, mm	850
Aperture ratio (f/N)	f/11
Optical design	optimized Czerny-Turner
Mechanical design	mounted on the granite base
Multiport configuration	-standard axial input -optional motorized lateral input -standard axial output -optional motorized lateral output
Scan range*, nm	zero order - 1425
Resolution*, nm	0.015
Reciprocal linear dispersion*, nm/mm	0.9 (for wavelength = 500 nm)
Accuracy*, nm	±0.05
Repeatability*, nm	±0.025
Focal plane length, mm	30
Grating size, mm	70x70
Grating mount	motorized triple-grating turret
Size (WxLxH), mm	320x860x255
Weight, kg	65

\* For 1200 g/mm grating

## The key features

- Long focal length
- High spectral resolution
- Multiport optical system
- Motorized triple-grating turret
- Wide scanning range
- Granite base table
- High temperature stability

