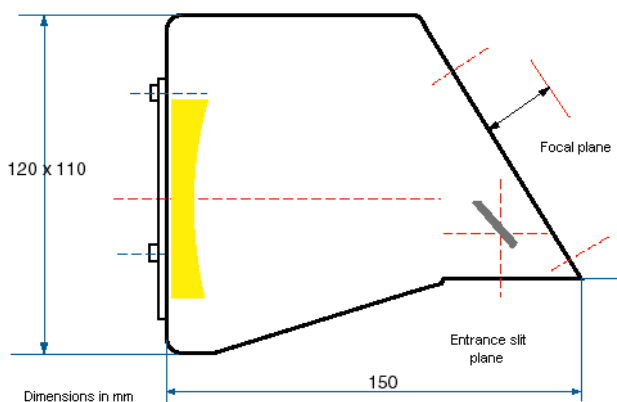




### CP140 Series Spectrographs

#### The Smallest Spectrograph Series with a 25x8mm Focal Plane

The CP140 series are the smallest spectrographs which have a 2-Dimension\* corrected 25x8 mm focal plane. Their unique optical design offers high f/2 throughput with unsurpassed spatial resolution. Ion-etched and holographic gratings make the CP140 the perfect spectrograph for multiple fiber inputs and array detectors.



CP140, a compact spectrograph design  
(Typical, model # and dimensions available on request)



CP140 Spectrograph

#### Specifications

Focal length	140 mm	Slit type	Fixed or interchangeable inserts
Aperture	f/2	Available slits	0.05, 0.1, 0.25, 0.5, 1 mm width 8 mm height
Optical design	Fixed spectrograph		

#### Available CP140

Part number	Wavelength range	Length of spectrum	Average dispersion
CP140-103	190 - 800 nm	25.2 mm	24.2 nm/mm
CP140-104	250 - 800 n	24.7 mm	24.3 nm/mm
CP140-202	190 - 800 nm	12.2 mm	50 nm/mm
CP140-1602	285 - 715 nm	25.6 mm	16.8 nm/mm
CP140-1603	190 - 410 nm	12.8 mm	17.2 nm/mm
CP140-1604	190 - 625 nm	25.6 mm	17 nm/mm
CP140-1605	380 - 780 nm	24 mm	16.7 nm/mm
CP140-1821	700 -1700 nm	34.9 mm	28.6 nm/mm
CP140-1824	400 - 1100 nm	23.3 mm	30 nm/mm
CP140-1825	380 - 780 nm	13.2 mm	30.3 nm/mm
CP140-2021	1100 - 2500 nm	24.7 mm	56.6 nm/mm
CP140-2951	800 - 1700 nm	12.7 mm	70.9 nm/mm

#### Features

- Only Two optics for high throughput
- No moving parts for the best repeatability
- Low cost
- Robust
- Optional flange for JY arrays
- Dedicated to your application.

\* Formerly described as imaging

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