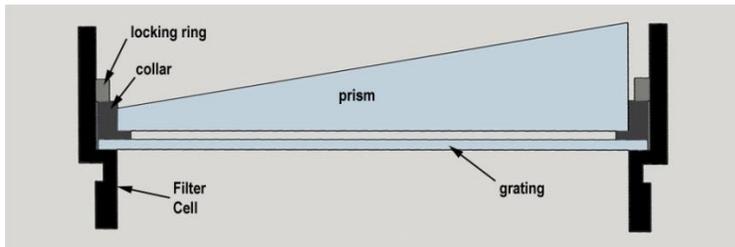


GRISM Conversion Kit

This kit will convert a Paton Hawksley *Star Analyzer™* (100 or 200) or a Rainbow Optics *Star Spectroscope™* into a Grism spectroscope. The kit consists of a 2° (deflection) circular wedge prism and a 27.5 mm mounting collar.



It fits right on top of the diffraction grating and is locked into place with the existing filter cell's locking ring. With its low profile, the Grism Spectroscope will fit in most common filter wheels.



Why convert to a GRISM?

The simple to use diffraction grating spectroscope does the job simply. It bends the light proportionally to the wavelength, producing a “rainbow” spectrograph band of light beside the image of the star. But the bending produces a curved spectrograph image that pulls away from the focal plane of the imager.

By placing a wedge prism in the optical path after the grating, the whole band is bent back to the center, and produces a sharper image.

How easy is it to convert to a GRISM.

It's as easy as 1-2-3.

1. Remove the locking ring, the protective clear glass window, and the spacer; leaving just the diffraction grating in the filter cell.
2. Drop the prism and collar assembly into the filter cell on top of the grating substrate.
3. Lock it together with the locking ring.

Because the collar has its own 0.6 mm spacer between the bottom of the prism and the grating substrate, there is no need for a spacer or the 0.75 mm glass window to protect the grating surface.

Will it fit in my filter wheel?

The whole stack is only 7.45 mm thick at the high end of the wedge. Mounted in a standard 28.5xM0.6 filter cell, the profile above the filter wheel is only 8.6 mm, which should fit in most filter wheel holders. (4° prism will add 1.71 mm to height, total 10.31 mm)

How Much?

The conversion kit consists of a high quality 2° prism (3.54° wedge) installed in the mounting collar, along with the conversion instructions. If you would like us to install the kit for you, send us your grating spectroscope and we will return the converted GRISM and any unused original parts. (200 line/mm grating can be fitted with a 4° prism with a 7.41° wedge)

Kit: ————— \$75

Collar: Free, \$5 SH

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