

OL 770-15Q-A

Automated Neutral Density Filter Wheel

The OL 770-15Q-A Neutral Density (ND) Filter Wheel is an automated alternative to the OL 770-15Q Neutral Density Filter Holder, which requires manual insertion of the ND filters and selection of the corresponding filter coefficients in the OL 770 application. The OL 770-15Q-A contains 5 filter positions for accommodating up to 4 ND filters and an open position, allowing the system sensitivity to be adjusted over a range of 5 decades to easily accommodate a very wide range of source intensities. Control is provided through the OL 770 application software via USB. With a single click of the mouse, the user selects the desired ND filter needed for source attenuation and the filter is immediately placed into the optical path while the corresponding filter coefficients are automatically selected. The filter wheel may also be operated in full auto mode, where the appropriate ND filter will be put into place when the software detects CCD saturation is imminent. For maximum flexibility, the OL 770-15Q-A also incorporates UV-grade quartz lenses and can be used over the entire 200 nm to 1100 nm UV-Visible-NIR wavelength range.



SPECIFICATIONS

Operating Temperature	0 °C to 30 °C
Operating Humidity	0 % to 90 % non-condensing
Power Input	External 12 VDC / 800 mA main adapter (supplied)
Interface	USB
Mounting	Installs onto OL 770 Optical Input Port using supplied two-piece adapter
Input Port	Accepts standard OL Series 770 FOP
Filter Size	1.00 inch (25.4 mm) diameter, 0.13 inch (3.5 mm) max. thickness
Number of Filter Positions	5 total (OPEN plus 4 filters max.)
Internal Collimating Optics:	UV-grade quartz lenses
Optical Ratio (input port to exit port)	1:1 imaging
Filter Positioning Time (adjacent position)	0.8 second
Dimensions	4.63 inches (11.8 cm) W x 6.50 inches (16.5 cm) H x 3.90 inches (9.9 cm) D
Weight	3.3 lbs. (1.5 kg)