

Optical Filter Mount and Holder Selection Guide

Optical Filters are used to selectively transmit light. Light that is not transmitted is absorbed by the optical filter. [Optical Filter Mounts](#) allow you to position an optical filter where you need it. Newport offers a full range of Optical Filter Mounts to meet various experimental requirements. Optical Filter Mount types include Individual Optical Filter Mounts and Filter Holders, Indexed Optical Filter Wheels, and the new VersaStar™ Modular Optical Filter Wheel which allows filters to be easily added and removed from the filter wheel by hand without tools.

Optical Filter Wheels		Special Features
	VersaStar™ Modular Optical Filter Wheel	<ul style="list-style-type: none"> • Filters easily added and removed from wheel, by hand, without tools • 1/2-in. and 1-in. diameter filters interchangeable on same wheel • Versatile English/metric post-mountable design
	Indexed Optical Filter Wheel Mounts	<ul style="list-style-type: none"> • Precision indexed rotation • All filter slots unobstructed • Quick-change filter holders • Post or table mountable • Interchangeable base
	Manual Optical Filter Wheels	<ul style="list-style-type: none"> • Inexpensive, 5 and 8 position filter wheels • Enclosed housing prevents light leakage • Holds 1 or 2 inch diameter filters or apertures
	Motorized Optical Filter Wheels	<ul style="list-style-type: none"> • Remote filter selection via computer or TTL controller • Hold 6 filters simultaneously • Easy and quick filter insertion and removal
Individual Optical Filter Holders		Special Features
	Fixed and Drop-in Optical Filter Holders	<ul style="list-style-type: none"> • Fixed or Spring-loaded versions • Hold round or square filters • Unique spring-loaded arm makes changing filters quick and easy • Stackable design allows multiple in-line filters
	Optical Filter Holders	<ul style="list-style-type: none"> • Springs clamp filter to a frame • Supports 2 in. (50.8 mm) square filters • Attach together to hold two filters • Post mountable, metric
	Flip-up™ Optical Filter Holder	<ul style="list-style-type: none"> • Effortlessly move filters in and out of beam path • Optic held by set screw or retaining ring • Infinitely stackable to enable wide-range attenuation • Holds both thin and thick optics
Neutral Density Filter Mounts		Special Features
	Variable Neutral Density Filter Rotation Mounts	<ul style="list-style-type: none"> • Fixed or adjustable mounts • Stable, wobble-free rotation • Post or table-top mounting
	Neutral Density (ND) Filter Wheels	<ul style="list-style-type: none"> • Wide range of optical densities from 0.08 to 3.0 in 0.1 increments • Mechanically indexed for fast positioning • Easy-to-use wheels eliminate messy fingerprints and missing filters