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TECHNOLOGY GROUP

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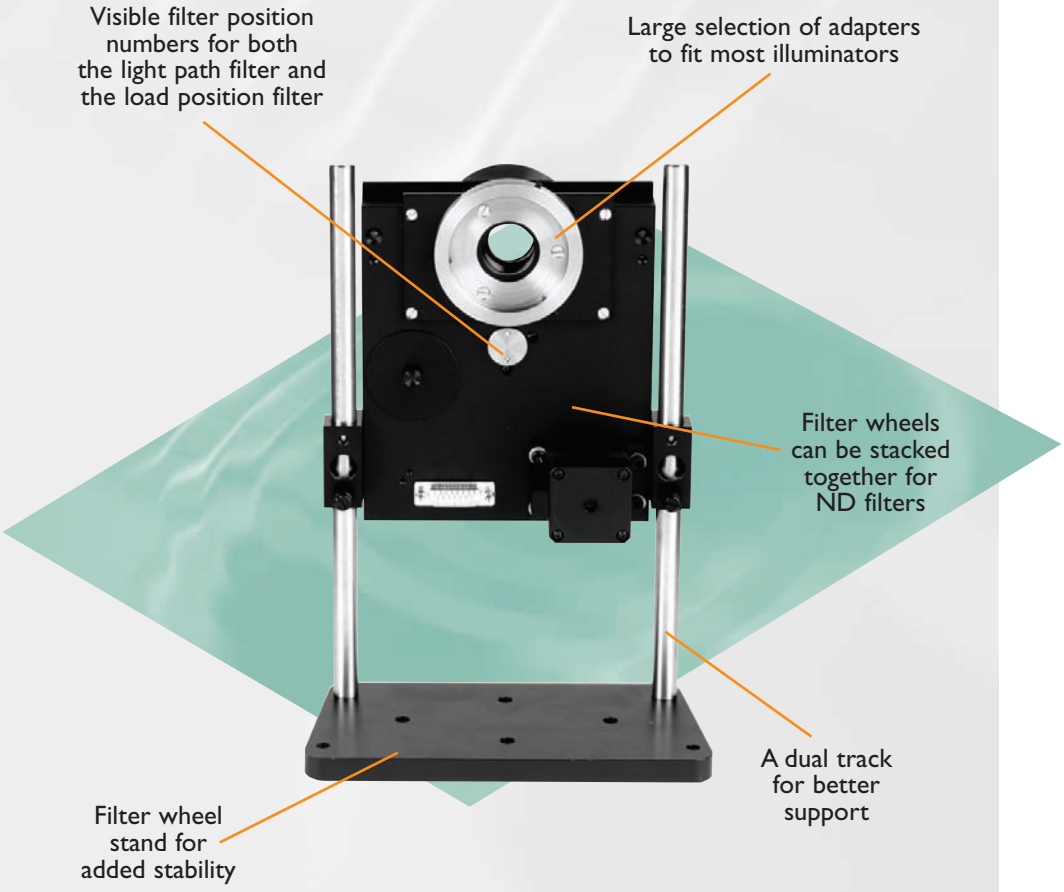
Find the *Prior 25mm 10-Position* at our website: *Click HERE*

PRIOR
Scientific

Motorized Filter Wheels

High Speed Filter Wheel System

Features



The Prior Scientific filter wheel system can be provided as a stand alone unit or used in conjunction with stage and focus systems controlled via the Prior ProScan™II, PriorPCI², or OptiScan™II stepper motor controllers.

Features of the Filter Wheel System include:

- The ability to mount on the illumination or emission side of the microscope
- Available for 25mm (10 position) or 32mm (8 position) filters
- A large selection of adapters to fit most illuminators
- Filter wheel position and shutter status are controlled via either RS232 or an optional keypad
- Filter wheels can be stacked together in series for ND filters
- Magnetic covers over the filter load position on both sides of the filter wheel for easy access to change filters
- Visible filter position numbers for both the light path filter and the load position filter
- Filter wheel stand for added stability
- Optional dual slide in neutral density filter holder

Prior Scientific products have an established reputation for quality and reliability. They are manufactured using high-quality components. For the filter wheel system and all its products, Prior provides support and service through an extensive network of knowledgeable, professional dealers.

ISO 9001:2000
FM 83854

Artisan Scientific - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisan-scientific.com

General Specifications

Filter Wheels
10 position, 25mm filters
8 position, 32mm filters
Filter Wheel Speed
55ms between adjacent positions
(120ms for OptiScan™II)
Filter Wheel Weight
3.2 kg (7 lbs)

Controller
Driven via ProScan™II, PriorPCI² or OptiScan™II Controller
External Control
Optional Filter Wheel Keypad

*Specifications subject to change without notice

Dimensions:
'A' Maximum on stand 540mm
'A' Minimum on stand 34mm
'A' Minimum off stand 28mm
'B' for HF110 - 141mm
'B' for HF108 - 159mm
'C' for HF110 - 179mm
'C' for HF108 - 195mm





High Speed Shutters

The high speed shutter has a 40 Hz*. maximum frequency of operation. The shutter can be opened and closed completely in as little as 10 ms.

Filter Wheel Keypad

The optional filter wheel keypad allows the user to easily select any filter position from either one or two filter wheels. This is done by simply selecting the appropriate filter position key.

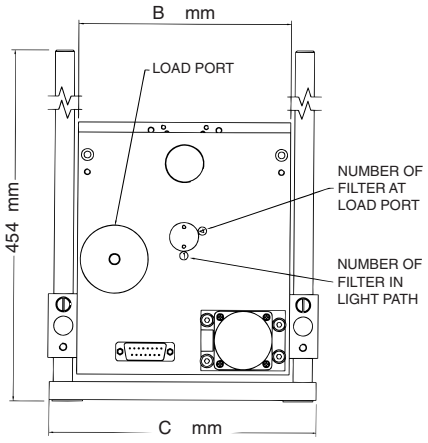


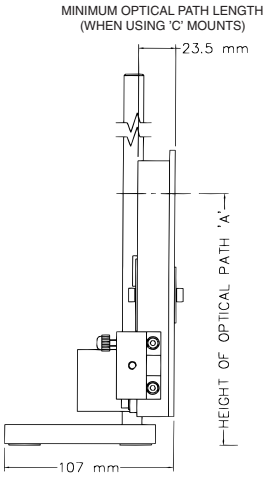
Dual Slide-In Filter Holder

The dual slide-in filter holder mounts to the filter wheel and holds two neutral density or IR filters.

*25mm shutters have maximum continuous speed of 10 Hz. Maximum burst speed of 40 Hz is for a maximum of five cycles per 500ms.

*35mm shutters have maximum continuous speed of 5 Hz. Maximum burst speed of 20 Hz is for a maximum of five cycles per 500ms.





Ordering Information

HF110	Filter wheel 10 pos./25mm
HF108	Filter wheel 8 pos./32mm
CS100K	Keypad for manual control of filter wheels and shutters
HF200	Shutter, 25mm, mounted to HF110
HF201	Shutter, 32mm, mounted to HF108
HF202	Shutter, 25mm, stand alone
HF204	Shutter, 32mm, stand alone
HF205	Dual slide in filter holder 25mm
High Temperature Shutters	
HF200HT	Shutter, high temperature, 25mm, mounted to HF110
HF201HT	Shutter, high temperature, 32mm, mounted to HF108
HF202HT	Shutter, high temperature, 25mm, stand alone
HF204HT	Shutter, high temperature, 32mm, stand alone
***Excitation Adapters for Transmitted and Emission**	
HF210	For Leica pre DM series
HF215	For Leica DM series
HF220	For Nikon Eclipse series
HF230	For Olympus BH series
HF235	For Olympus BX, IX & AX series
HF240	For Zeiss Axio series
HF245	For Zeiss pre Axio series

* Please contact Prior Scientific for a complete list of excitation adapters that are available.

PRIOR
Scientific

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