

## 12.5/12.7mm 12 Position Motorized Filter Wheel



#88-171 with cover



Stock **#88-398** [CONTACT US](#)

⊖ 1 ⊕ £1,764<sup>00</sup>

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### Volume Pricing

Qty 1+	£1,764.00 each
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### Product Downloads

### General

Adjustable - Rotary **Type:**

Circular **Type of Optics:**

12 **Number of Filters:**

Filter Holder Response Time (seconds):  
Adjacent Locations: 0.8

Motorized:  
Yes

## Physical & Mechanical Properties

Repeatability (°):  
±0.25

Housing Dimension:  
139.0 x 55.0 x 111.0

Max. Thickness of Compatible Optics (mm):  
7.0

## Hardware & Interface Connectivity

Connector:  
USB Female Micro A

Power Requirement:  
+5 VDC, 1.2 A

## Threading & Mounting

Size of Compatible Optics (mm):  
12.5 - 12.7

Compatible Post:  
M6 x 1.0, 1/4-20, M4 x 0.7, 8-32

## Environmental & Durability Factors

Operating Temperature (°C):  
0 to 60

## Regulatory Compliance

RoHS 2015:  
Compliant

Certificate of Conformance:  
View

REACH 241:  
Compliant

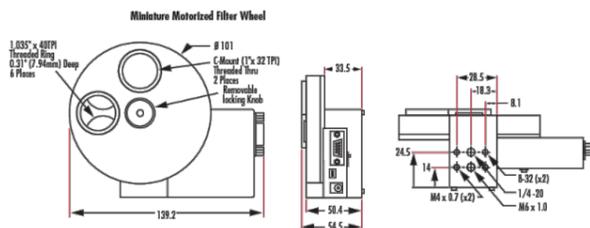
## Product Details

- Manual or Automated Multi-Directional Control
- Interchangeable Filter Retaining Wheels
- Lightweight Design with Multiple Mounting Options

Miniature Motorized Filter Wheels are ideal for space constrained applications that require spectral selection, such as fluorescence microscopy, color CCD photography, or photometry. These stepper motor driven, optical encoder regulated filter wheels are designed to repeatedly select absolute positions either manually using a push button or remotely through an RS-232 or USB 2.0 interface. Miniature Motorized Filter Wheels feature two aperture positions, at 12:00 and 9:00, and a digital display which shows the current filter position. The six position filter wheel accepts 25mm filters, while the twelve position filter wheel accepts 12.5mm filters. The base of the unit features six threaded mounting holes to ease system integration, including one 1/4"-20, two #8-32, one M6, and two M4

**Note:** Accessories are available to increase or decrease compatible filter size.

## Technical Information



Quantity	Description
1	12.5mm Filter Wheel
1	12 Position Filter Retaining Wheel
1	5V DC Converter
1	USB 2.0A to USB Micro A (6ft cable)
1	RS-232 to RS-232 (6ft cable)
1	Software Flash Drive
2	Threaded Aperture Caps
6	Threaded 1/2" Filter Retaining Rings
1	5/64" Ball Driver
1	Operating Manual

Quantity	Description
1	25mm Filter Wheel
1	6 Position Filter Retaining Wheel
1	5V DC Converter
1	USB 2.0A to USB Micro A (6ft cable)
1	RS-232 to RS-232 (6ft cable)
1	Software Flash Drive
2	Threaded Aperture Caps
6	Threaded 1" Filter Retaining Rings
1	5/64" Ball Driver
1	Operating Manual