

12.5/12.7mm 12 Position Motorized Filter Wheel



#88-171 with cover



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

- 1 + **A\$3,528⁰⁰**

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1+ | A\$3,528.00 each |
| Need More? | Request Quote |

Product Downloads

General

Adjustable - Rotary **Type:**

Circular **Type of Optics:**

12 **Number of Filters:**

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

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](#)

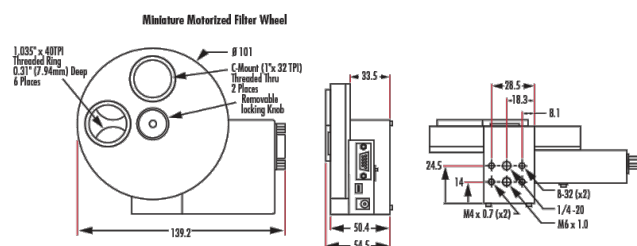
Product Details

- 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



#88-398

| 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 |

#88-171

| Quantity | Description |
|----------|-------------------------------------|
| 1 | 25mm Filter Wheel |
| 1 | 6 Position Filter Retaining Wheel |
| 1 | 5VDC 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 |