

## ACCESSORIES

### Threaded Filter Rings

Andover now offers a variety of threaded ring mounts. Standard sizes and thread pitches enable the user to attach the filter securely to equipment. Please contact our technical sales department to discuss your requirements.

- Industry-standard sizes
- Adaptable to most of our standard products
- Laser-engraved identification



### Threaded Ring Sizes Available

| Thread size (mm) | OD (mm) | Clear aperture (mm) | Part Number |
|------------------|---------|---------------------|-------------|
| M27 x 0.5        | 29.5    | 23                  | RING-M27    |
| M30.5 x 0.5      | 32.5    | 26.5                | RING-M30.5  |
| M37 x 0.75       | 39      | 32                  | RING-M37    |
| M40.5 x 0.5      | 42      | 36.5                | RING-M40.5  |
| M46 x 0.75       | 48.5    | 41                  | RING-M46    |
| M49 x 0.75       | 51.5    | 44                  | RING-M49    |
| M52 x 0.75       | 54      | 47                  | RING-M52    |

# ACCESSORIES

## Motorized Filter Wheel

These filter wheels are used for a host of applications, including color CCD photography, fluorescence microscopy, and photometry. Two 4" dia. wheels are available: one which accepts six 25mm filters, and one which accepts twelve 12.5mm filters.

- **Motorized or Manual**
- **Local or Remote Control**
- **Accepts 12.5mm and 25mm dia. filters**
- **Programmable Filter Sequences**

### Remote or Manual Operation

Filter selection can be made manually from push buttons on the unit, or remotely from either a USB 2.0 interface, or a BNC input. The BNC input accepts a TTL level signal to trigger the rotation of the filter wheel.

### Interchangeable filter wheels

The 4" dia. wheel is easily changed, allowing quick conversions between applications. Additional wheels are available.

### Programming and Remote Control

Automation of filter sequences is available through the USB 2.0 interface. A simple command language facilitates retrieving filter status and making filter selections. The unit comes with the controller, filter housing, filter wheel, and a 5 VDC power supply, and threaded rings to hold the optics in place.

### Applications

Color CCD photography  
Fluorescence microscopy  
Photometry

## GENERAL SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| Access time between filters | <0.4 seconds to adjacent location           |
| Accuracy/repeatability      | ±2°   |
| Interface:                  |   |
| BNC                         | TTL (max indexing rate 0.5Hz)               |
| USB                         | USB 2.0                                     |
| Manual                      | Push button switches                        |
| Mounting                    | 1/4-20 & #8-32 (M6 & M4) or SM1/SM05 thread |
| Size                        | 5.0" x 4.49" x 1.85"<br>(5.43" with BNC)    |



- Accepts 12.5mm or 25mm dia. filters
- Motorized and manual versions available
- Labeled filter positions
- Base and post mountable

## Filter Wheel Ordering Info

| Description            | Size & Part Number         |                         |
|------------------------|----------------------------|-------------------------|
|                        | 12-position,<br>12.5mm Ø ○ | 6-position,<br>25mm Ø ○ |
| Motorized filter wheel | FW-MOT-12.5                | FW-MOT-25               |
| Manual filter wheel    | FW-MAN-12.5                | FW-MAN-25               |
| Extra wheel only       | FW-12.5                    | FW-25                   |

## User-Defined Filter Sets

Andover Corporation offers customers the opportunity to build their own filter sets from across our product listings—whether bandpass, neutral density, dichroic, edge, or other filter category.

The only restriction is that the filters must be the same size. Take your choice of six, eight and twelve-piece sets in one of two standard sizes. All filter sets include complete spectral curve data and are shipped with a hardwood storage case.

| Sets         | Size & Part Number |            |
|--------------|--------------------|------------|
|              | 12.5mm Ø ○         | 25mm Ø ○   |
| 6-Piece Set  | 000FS06-12.5       | 000FS06-25 |
| 8-Piece Set  | 000FS08-12.5       | 000FS08-25 |
| 12-Piece Set | 000FS12-12.5       | 000FS12-25 |