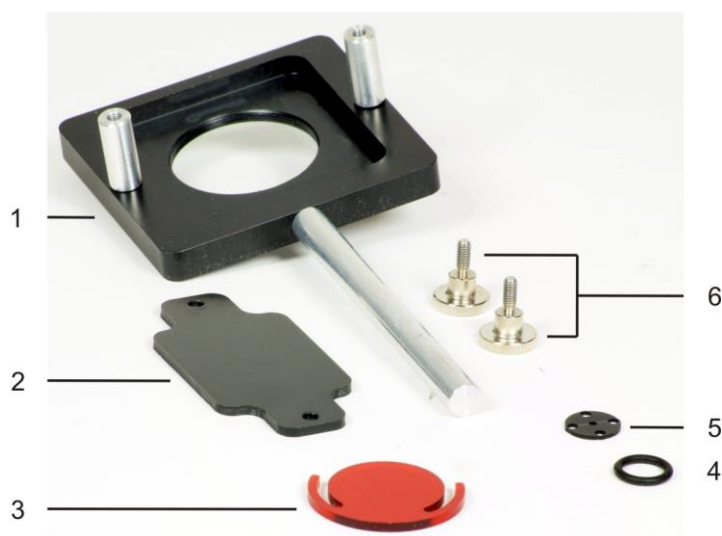


Holder and Filter for Moticam 1021367

Instruction manual

11/17 TL/UD



- 1 Holder
- 2 Attachment bracket
- 3 Red filter
- 4 Attachment ring
- 5 Aperture
- 6 Fastening screws

1. Description

The holder and filter for the Moticam equipment set supplements the Moticam 1 digital camera (1021162) to produce an imaging system for the experiment to demonstrate the normal Zeeman effect. A red filter, which can be clipped onto the focussing lens of the Moticam camera, selects the wavelength of the red cadmium line. An aperture which is secured in place with the help of an attachment ring optimises the depth of field.

2. Equipment supplied

- 1 Holder
- 1 Attachment bracket
- 2 Fastening screws
- 1 Aperture
- 1 Attachment ring
- 1 Red filter

3. Technical data

Holder:
 Dimensions not including rod and threaded sleeves: 80 x 85 x 10 mm³
 Diameter of rod: 10 mm
 Top of rod – optical axis: 150 mm

Red filter:
 Diameter: 41 mm approx.
 Thickness: 3 mm

Aperture:
 Aperture: 2.2 mm

4. Additionally required equipment

- | | |
|----------------------------|---------|
| 1 Digital camera Moticam 1 | 1021162 |
| 1 Optical rider D 90/36 | 1012401 |

5. Assembly

- Put the Moticam 1 digital camera into the holder without its focussing lens screwed on. Make sure that the USB port is on the side of the rod.
- Attach the Moticam to the holder with the help of the bracket and fastening screws.
- Screw the focussing lens onto the Moticam.
- Put the aperture into the focussing lens and secure it with the attachment ring (Fig. 1)
- Snap the red filter into the focussing lens (Fig. 2)

The Moticam can be adjusted a few millimetres horizontally in the holder, if the screws have been slightly loosened.

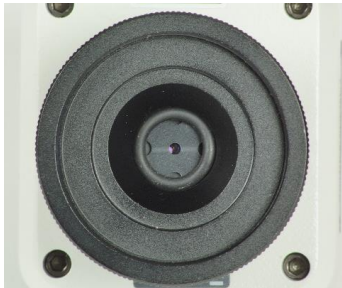


Fig. 1: Aperture inserted into focussing lens and fixed in place with the attached ring.



Fig. 2: Fully assembled camera module.

6. Storage, cleaning and disposal

- Keep the equipment in a clean, dry and dust-free place.
- Do not use any aggressive cleaning agents or solvents to clean the equipment.
- Use a soft, damp cloth for cleaning.
- The packaging should be disposed of at local recycling points.
- Should you need to dispose of the equipment itself, never throw it away in normal domestic waste. If being used in private households it can be disposed of at the local public waste disposal authority.

