

Polarising Attachment 1021364

Instruction manual

11/17 TL/UD



1. Description

The polarising attachment makes up a special kit intended for the experiment to demonstrate the normal Zeeman effect. When mounted on a quarter-wavelength plate (1021353), the combination of the two components allows for investigation of polarisation for doublet components in the case of a longitudinal Zeeman effect. An arrow marks the 0° setting for the polarisation filter.

2. Equipment supplied

1 Polarising attachment
3 Attachment screws

3. Technical data

Diameter of polarisation filter:	32 mm
External diameter:	100 mm
Dimensions of attachment lugs:	20 x 12 mm ² approx.
Dimensions of holes:	3 x 5.5 mm ²
Weight:	62 g approx.

4. Additionally required equipment

1 Quarter wavelength plate on rod	1021353
1 Optical rider D 90/36	1012401

5. Assembly

- Set up the polarising attachment with the arrow pointing upwards on the side of the quarter wavelength plate with no scale, as shown in Fig. 1 and secure it in place using the supplied screws.



Fig. 1: Polarising attachment mounted on quarter wavelength plate.

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.
- It is not usually necessary to clean the polarising attachment. If necessary you can use an objective brush, puff bellows or a soft, fluff-free cloth especially suited for optics. Do not touch the polarising filter with your fingers.
- To clean the frame, use a slightly dampened soft cloth.
- 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.

