

## 1000599, 1000600, 1000601 Diffraction Gratings

### Instruction sheet

11/15 Hh



### 1. Safety instructions

- To avoid getting the diffraction gratings dirty or damaged, only hold them by the slide frames.

### 2. Description

These diffraction gratings are suitable for a wide range of experiments in wave optics involving diffraction and.

#### 2.1 Diffraction gratings - 3 gratings 1000599

The diffraction gratings set includes 3 photographically produced gratings of different grating constant 50 x 50 slide frames.

Number of lines (cm<sup>-1</sup>): 20, 40, 80

Grating constant (mm): 0.50, 0.25, 0.125

#### 2.2 Diffraction grating, line grating 1000600

The diffraction grating is a photographically produced grating in a 50 x 50 slide frame.

Number of lines (cm<sup>-1</sup>): 80

Grating constant (mm): 0.125

#### 2.3 Diffraction gratings, 2 cross gratings 1000601

The diffraction gratings are photographically produced cross gratings in 50 x 50 slide frames.

Number of lines (cm<sup>-1</sup>): 40

Grating constant (mm): 0.25