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## Operating instructions


 The unit complies with the corresponding EC guidelines.



Fig. 1: 35761-99 Magnetic stirrer without heating

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## 1 SAEFTY PRECAUTIONS



### Caution!

- Carefully read these operating instructions before operating this instrument. This is necessary to avoid damage to it, as well as for user-safety.
- Only use the instrument for the purpose for which it was designed.
- Only use the instrument in dry rooms in which there is no risk of explosion.
- Ensure that only trained staff use the instrument. The instrument must only be opened by a qualified and trained technician.
- Make sure the socket is earthed before use.
- Set the instrument on a stable, clean, dry, non-slip and fireproof surface.
- Check instrument for damage before every use. Do not use damaged components.
- The operation voltage noted on the label must match.
- Always disconnect the plug before fitting accessories.
- When working, wear personal protection to avoid the risk from splashing of liquids and possible glass breakage which can result from mechanical vibrations.

## 2 PURPOSE AND CHARACTERISTICS

The instrument is designed for stirring.

### 3 FUNCTIONAL AND OPERATING ELEMENTS



### 4 HANDLING

Place the instrument on a safe and stable surface. Switch on the instrument at the power switch. Set the "speed-control knob" to the lowest position first and then increase the speed. Reduce the speed if the medium splashes out of the vessel or the instrument is unstable on the bench. The function "stirring" is switched on or off by rotating the speed control knob. The speed range is 100 to 1500 rpm.

### 5 NOTES ON OPERATION

This high-quality instrument fulfils all of the technical requirements that are compiled in current EC guidelines. The characteristics of this product qualify it for the CE mark.

The ADM 2 is only to be put into operation under specialist supervision in a controlled electromagnetic environment in research, educational and training facilities (schools, universities, institutes and laboratories).

This means that in such an environment, no mobile phones etc. are to be used in the immediate vicinity.

The instrument can be so influenced by electrostatic charges and other electromagnetic phenomena that it no longer functions within the given technical specifications. The following measures reduce or do away with disturbances:

Avoid fitted carpets; ensure potential equalization; carry out experiments on a conductive, earthed surface, use screened cables, do not operate high-frequency emitters (radios, mobile phones) in the immediate vicinity. When a total failure of the instrument occurs, unplug it and plug it back in again for a reset.

#### Maintenance and cleaning

Proper maintenance and cleaning will keep the instrument in good working order and will lengthen its life time. Be careful not spray cleaning fluid into the instrument. Unplug the power cord when cleaning. Please use only Isopropyl alcohol and water containing tenside. Wear protective gloves during cleaning of the instrument. When not in use for long periods, switch off the instrument and store it in a dry, clean and stable place at room temperature.

### 6 TECHNICAL DATA

(typical values for 25°C)

Operating temperature range: 5 - 40°C

Rel. humidity < 80%

Voltage	100 – 240 V
Frequency	50/60 Hz
Power	10 W
Stirring points	1
Max. stirring quantity	3 l
Max. length, magnetic bar	50 mm
Motor type	DC motor
Speed	100 – 1500 rpm
Protection art	IP41
Protection class	I
Weight	0.9 kg
Dimensions (mm)	220 x 160 x 80

### 7 SCOPE OF SUPPLY

The packing includes:

- Magnetic stirrer
- Power supply
- Operating instruction

### 8 NOTES ON THE GUARANTEE

We guarantee the instrument supplied by us for a period of 24 months within the EU, or for 12 months outside of the EU. Excepted from the guarantee are damages that result from disregarding the Operating Instructions, from improper handling of the instrument or from natural wear.

The manufacturer can only be held responsible for the function and technical safety characteristics of the instrument, when maintenance, repairs and alterations to the instrument are only carried out by the manufacturer or by personnel who have been explicitly authorized by him to do so.

### 9 WASTE DISPOSAL

The packaging consists predominately of environmentally compatible materials that can be passed on for disposal by the local recycling service.



Should you no longer require this product, do not dispose of it with the household refuse.

Please return it to the address below for proper waste disposal.

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