

Informatie

Manual for BMS S-Series stereomicroscopes

The stereo microscopes allows you to study objects at a larger scale. These stereo microscopes are highly suitable for beginning investigators and also for those who are more experienced.

The high mechanical and optical quality, guarantee a reliable and maintenance free use of this stereo microscope.

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Always disconnect mains plug from power point
before maintenance

This is a precision instrument which should be handled with care. To be able to use the stereo microscope to its full extend, please read explanation on page two.

1. General information

To prevent condensation of the optical parts, it is recommended to let the stereomicroscope get adapted to the room temperature while still in the original packing.

Always place the stereo microscope on a flat and levelled surface.

The item to be observed should be placed in the centre of the object plate. The clips might come in use to fixate the item. Use the side knobs to focus the stereo microscope.

2. SAFETY NOTES

For stereo microscopes with illumination, read below safety notes thoroughly.

- Only use earthed power points.
- Before maintaining, opening or cleaning the stereo microscope make sure the mains plug is disconnected from the power point.
- Clean the optical parts only with a soft cloth. Do not touch the lenses with your fingers. Do not soak the lenses in cleaning liquids.
- Do not allow any contact between liquids and electrical parts.

For stereo microscopes with transmitted- and incident illumination:

- When using the transmitted light always use the glass object plate.

3. Scope of supply (Numbers refer to the photo on page three)

1. Stereo microscope head with wide field 10x eyepieces. One ocular tube with diopter correction. Inter pupilar distance between 51 and 75 mm. Build in prism system, that guarantees crisp and clear view.
2. Pole with fixating screw. The BMS ST 40-C-2L has a fixed arm and therefore not the fixation screw.
3. For 10 and 20 series: Objective pair in slide holder (exchangeable)
For 30 and 40 series: two objective pairs in revolver (e.g. 1x/3x or 2x/4x).
4. Coarse adjustment knobs with slip clutch, on both sides . This slip clutch prevents damage to the rack and pinion mechanism when overstrained.
5. Stand with object plate.

Only for series with illumination

6. Incident light 12V / 10 Watt bulb
7. On/off switch.
8. Built in transformer 220-230 V / 12 V
9. Fuse(s).
10. Cable with plug

Only for series, 2L, with incident and transmitted light

11. Glass plate and transmitted light 12 V / 10 W

Storage and cleaning

The stereomicroscope should stay clean and kept away from dust. Keep eyepieces, objectives and objective pairs always in the stereomicroscope. Remove them only when necessary.

When not in use, protect the stereomicroscope against dust by means of the dustcover. Or store in a storage case (optional).

Do not touch the optical system with bare hands. Do not contaminate the optical parts with fluids.

Use lens paper or a soft cloth for cleaning lenses.

In case the lenses are severally contaminated, clean by using a soft cloth sprinkled with ethanol. The inner lens system can only be cleaned by using a soft haired pencil.

The rest of the stereomicroscope can best be cleaned with a soft cloth. Use of mild detergent is possible.

Changing bulb and fuse

Never touch the bulb with bare hands, use cloth or gloves.

Unplug the stereomicroscope and let the electrical parts cool down.

When maintaining the stereomicroscope, make sure it is always disconnected from the power point.

The light bulb is hold in the lamp holder by means of two clamps. Softly pull the tube shaped bulb. The transmitted light can be found by removing the object plate. The transmitted light bulb is connected in the same way as the incident light bulb. This goes for all series.

The new light bulb should be pressed in its socket firmly but careful.

The fuse is placed in a fuse holder, which comes out by using a small screwdriver or coin. Change fuse, be aware to replace the fuse with the same value as used before.

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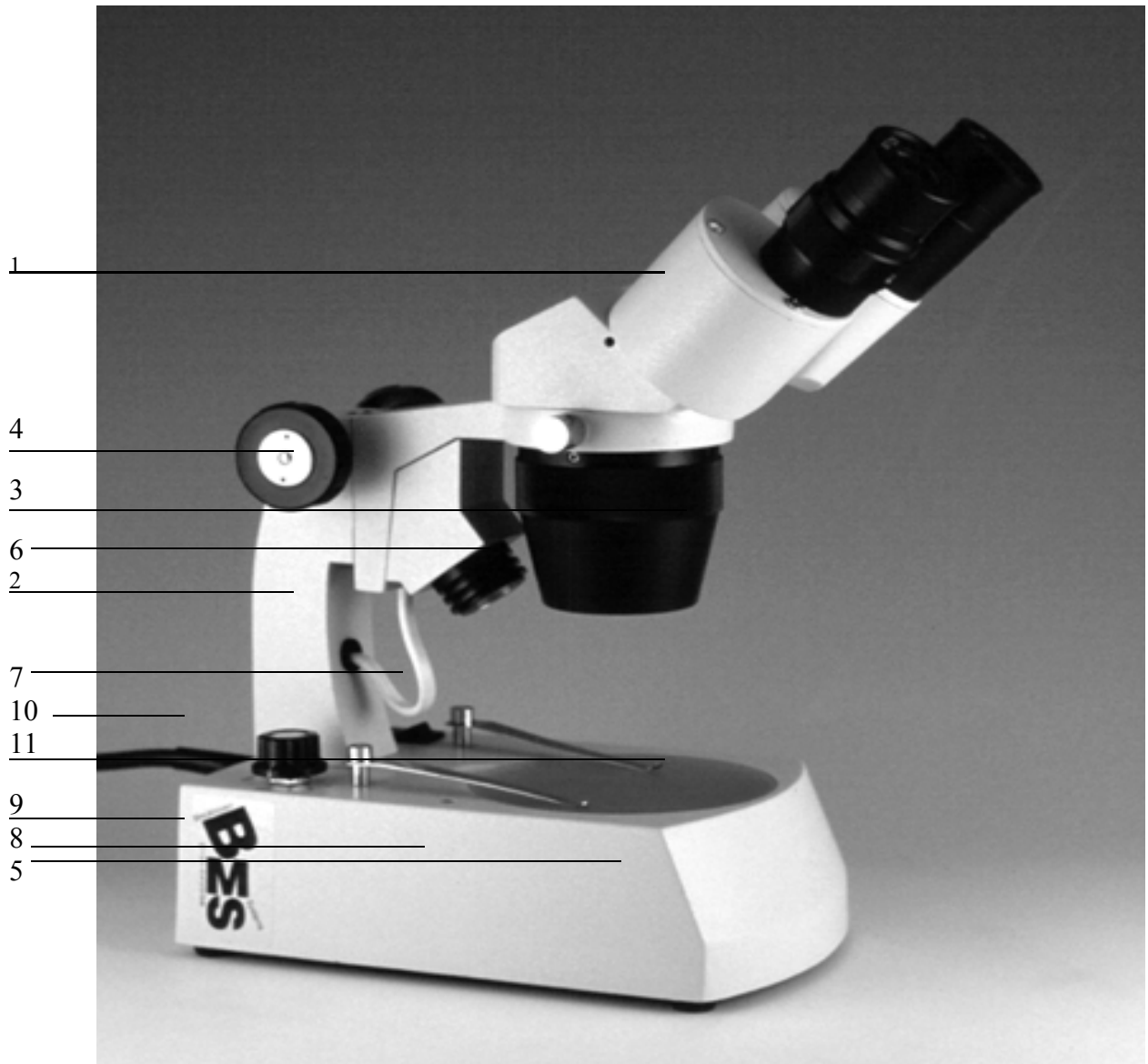
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BMS ST 40



Environment protection first!
Your appliance contains valuable materials which can be recovered or recycled.
Leave it at a local civic waste collection point