



Informatie

MANUAL FOR “11-141-144” SERIES OF STEREOMICROSCOPES

The stereomicroscopes out of this series, 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 stereomicroscope. This is a precision instrument which should be handled with care.

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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 stereomicroscope on a flat and levelled surface.

The item to be observed should be placed in the centre of the object plate. The clips (14) might come in use to fixate the item.

Adjust the height of the stereomicroscope head (2) by means of a screw (15) at the back of the pole. Use the side knobs (6) to focus the stereomicroscope.

SAFETY NOTES

- Only use earthed power points.
- Before maintaining, opening or cleaning the stereomicroscope make sure the mains plug is disconnected from the power point.
- Clean the optical parts with a soft cloth only. 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.
- When using the transmitted light, always use the glass object plate (10).

Scope of supply.

Numbers refer to the photo.

1. Eyepieces WF 10x / 22mm
2. Stereomicroscope head. One ocular tube with diopter correction. Inter pupilar distance between 51 and 75 mm. Build in prism system, that guarantees crisp and clear view.
3. Pole with fixating screw (15).
4. Objective revolver: 2x-4x only for BMS 11 C-2LH
Objective revolver: 1x-3x only for BMS 11 B-2LH
Zoom objective: 0,7-4,5x only for BMS 141 and BMS 144
5. Zoom adjustment knob, on both sides, only for BMS 141 and BMS 144

6. Coarse adjustment knobs, on both sides. The adjustment force can be regulated by turning the left and right knob in opposite directions.
7. Stand with object plate.
8. Incident light 12V / 15 Watt bulb, halogen.
9. Knobs for intensity adjustment of illumination. (not visible on photo).
10. Glass object plate (milk glass) or black & white object plate.
11. Fuses on back of stand (7). (not visible on photo).
12. Cable connection to power point
13. Switch to guide light beam either through eyepieces or through third tube.
14. Object clamps.
15. Fixation screw for height adjustment of the stereomicroscope head.

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 attached to 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 carefully.

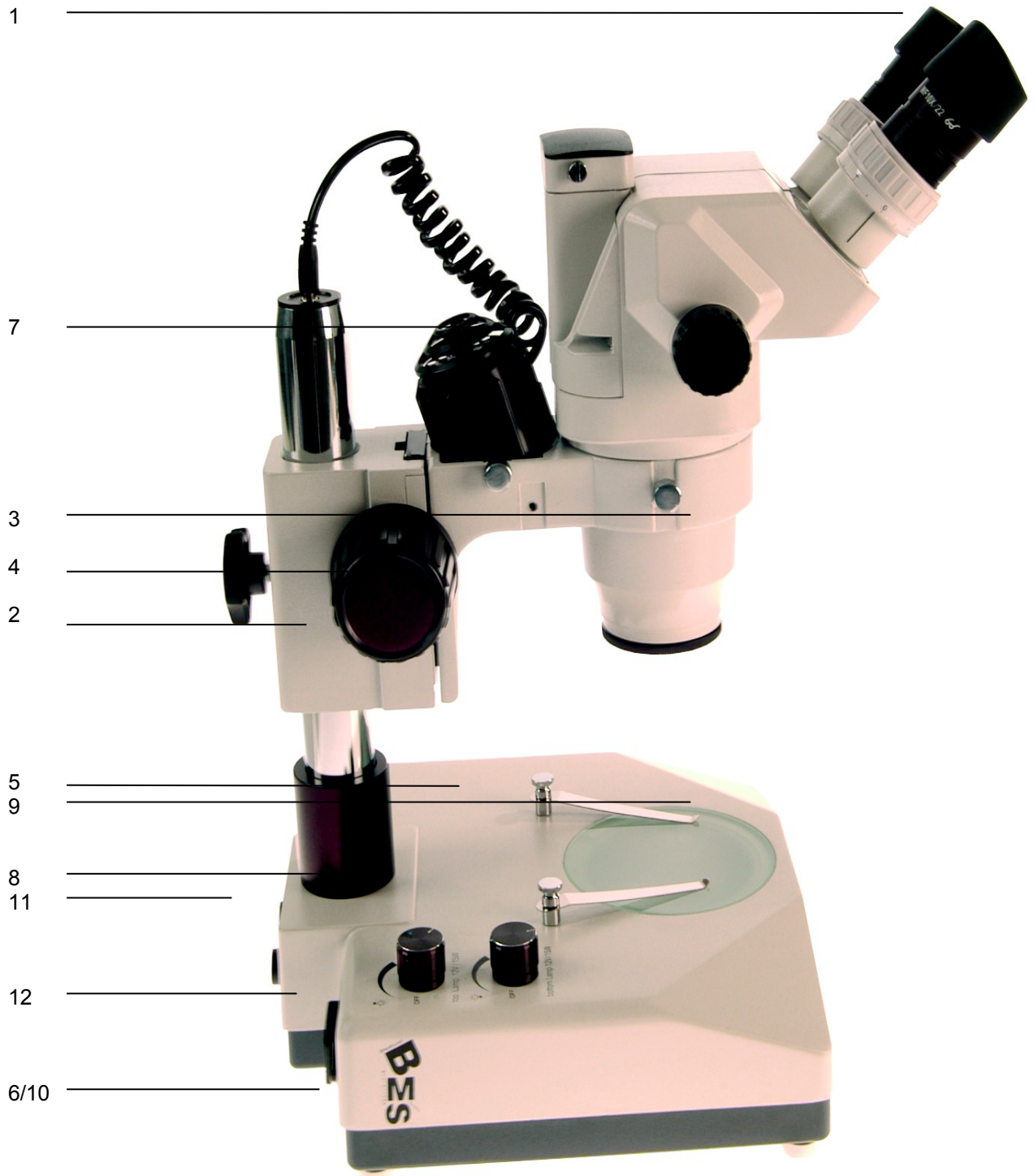
The fuse is placed in a fuse holder, which comes out by using a small screwdriver or coin. Change fuse, be aware to replace the fuse with the same value as used before.

Accessories BMS 11

BMS Art Nr	Description
74983	Eyepieces pair 15x
74985	Eyepieces pair 20x
74990	Auxiliary lens 0,5x
74991	Auxiliary lens 1,5x
74992	Auxiliary lens 2,0x
74965	Dark field equipment
76340	Storage case, aluminium
76029	Storage case, wood
74986	Lamp, 12V-15W, Transmitted
74987	Lamp, 12V-15W, Incident
74995	Boom stand
74997	Boom stand with tilted head

Accessories BMS 140 & 141

BMS Art Nr	Description
75030	Eyepieces pair 15x
74988	Micrometer eyepiece WF10x, 10mm-0,001mm
75029	Eyepieces pair 10x
75032	Eyepieces pair 20x
75022	Auxiliary lens 0,3x
75023	Auxiliary lens 0,4x
75024	Auxiliary lens 0,5x
75025	Auxiliary lens 0,75x
75026	Auxiliary lens 1,5x
75027	Auxiliary lens 2,0x
74965	Dark field equipment
76340	Storage case, aluminium
76029	Storage case, wood
74986	Lamp, 12V-15W, Transmitted
74987	Lamp, 12V-15W, Incident
74995	Boom stand
74997	Boom stand with tilted head
75035	XY table with coaxial drive
75052	Aluminium case



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