www.pce-industrial-needs.com

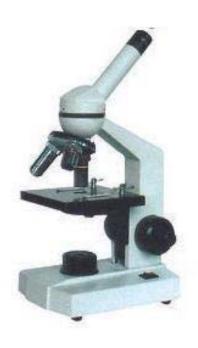




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Manual PCE-MM100



Biological Microscope OPERATING INSTRUCTION

Applications:

This type of microscope is used in primary and middle schools for observing biological specimen such as spores, wings, ova, feet, heads of insects, section of roots or stems and so on.

Specifications:

1. Objectives:

Туре	Parameters	Magnification	N.A.
	Achromatic	4X	0.10
A		10X	0.25
100		.40X(S)	0.65

2. Eyepiece

Magnification	Dia. of field	
10X	Φ15	
15X (Selective parts)	ф 11	

- 3 .Mechanical tube length 160mm
- 4. Range of focusing 8mm
- Abbe condenser N.A. 0.65
- 6. Stage 126×110mm

Transversal Movement: 60mm

Longitudinal Movement: 30mm

7. Bulb 110V/20Wor220V/20W

Setting up &sample operating:

- 1. Screw the objectives(3) into the nosepiece(2) by steps from the one with lower magnification to higher magnification.
- Put a sample into the center of the stage, and tight the sample by the fasten unit.
- 2. Put the power on .So you can have the light.
- Turn the condenser-lifting knob to lift the Abbe condenser.

4. Focusing

Turn the coarse focusing knob(9) until you find and image, then turn the fine focusing knob(10) until the image appears clear.

- Adjust the brightness of light and diameter of the iris diaphragm to obtain the satisfactory image.
- To meet special demand of magnification, you can turn the nosepiece (2) and select the needed objectives.
- If you meed natural light, screw the collector(7)off and replace the reflecting mirror(8).

Maintenances:

- 1. Keep the instrument in dry and cool place, and keep it away from acid, when it is not used; please put the dust cover on it.
- Keep the objectives and eyepiece clean, and wipe the lens by clean paper when there is dust or dirt covering.

Full set of the instrument

Parts	Specifications	Qty
Main		1 Set
Eyepieces	10X (15XSelective parls)	1 Pc of each
Objectives	4X 10X 40X (S)	1 Pc of each
Abbe condenser	N.A. 0.65	1 Pc
Spare bulb		1 Pc
Spare fuse		1 Pc
Dust cover		1
instruction		1 Book



In this direction will find a vision of the measurement technique: http://www.industrial-needs.com/measuring-instruments.htm

NOTE: "This instrument doesn't have ATEX protection, so it should not be used in potentially explosive atmospheres (powder, flammable gases)."