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**ISM-PM20/40/50/100
PORTABLE MEASURING MICROSCOPE
OPERATION MANUAL**



Description

The portable microscope is widely used for measuring or viewing purposes in production, outside working and laboratory.

Structure:



Operation

- 1 Installing:
 - a Insert two AAA batteries into the LED light and put the light into the pen light tube, twist the screw to fix the pen light.
 - b Insert the eyepiece into the eyepiece tube.
- 2 Using:
 - a Observing by measured eyepiece, placing microscope on the substance, turn the focus knob for observing. And turn on pen light if necessary, loose the screw then stir the pen light to shine on the substance, fix the pen light to microscope, if the image is clear but the graduation line is vague after focusing, then adjust diopter ring to grasp a sharp image.
 - b Use the spacing ring to avoid crash between the objective and substance.

- c The graduation of the eyepiece is 0.01mm. So you can get the result directly when measuring.

Maintenance

- 1 Unpack case carefully to avoid the elements such as eyepiece falling down and being damage.
- 2 Never disassemble lens because they correct stringently.
- 3 Keep the instrument clean, and wipe dust regularly.
- 4 The microscope should be kept in cool, dry and with dust cover, it is better to place microscope into case if no use for a long time.

Specification

Total magnification: 20/40/50/100X
 Eyepiece: 10X with graduation
 Objective (achromatic): 2/4/5/10X (numerical aperture: 0.05/0.1/0.12/0.25mm)
 Working distance: 17.2/18/17.6/7mm
 Focus range: 30mm
 Viewing filed: Ø9/4.5/3.6/1.8mm
 Illumination: LED light, illumination filed is adjustable
 Diameter of base: Ø65mm
 Height: 210mm
 Weight: 650g

Standard Delivery

Main unit: 1pc
 LED light: 1pc
 1.5V AAA batteries: 2pcs