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OPERATION MANUAL

**Model ISM-PM100
Portable Measuring Microscope**



1. Application

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

2. Structure

1. Eye piece, objective

The portable microscope is provided with 10X reticule eyepiece and the corresponding objective.

2. Coarse and fine focusing adjustment

The microscope adopts precision rack and pinion device, use the stopper to prevent damage observed substance.

3. Illumination system

It is composed of pen light and pen light fixed equipment.

3. Usage

1. Twist the thread of pen light equipment into threaded hole of bearing plane. in order to fix pen light equipment, use spanner to twist the nut to base, insert the pen light into the pen light tube, twist the screw to fix the pen light.

2. Observing by measured eyepiece, placing microscope on the substance, turn the 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 reticule line is vague after focusing, then adjust eyepiece diopter ring to grasp a sharp image.

4. Maintenance

1. Unpack case carefully to avoid the elements such as lens 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.

5. Don't disassemble the instrument if breakdown happens, then sent it to repair.