

2. Setting Up The Instrument

Avoid placing the instrument in locations exposed to direct sunlight, dust, vibration, high temperature and high humidity and where it is difficult to unplug the power supply cord.

2.1. Operating environment

- Indoor use
- Altitude: Max 2000 meters
- Ambient temperature: 15°C to 35°C
- Maximum relative humidity: 75% for temperature up to 31°C decreasing linearly to 50% relative humidity at 40°C
- Supply voltage fluctuations: Not to exceed $\pm 10\%$ of the normal voltage.
- Pollution degree: 2 (in according with IEC60664)
- Installation / Overvoltage category: 2 (in according with IEC60664)
- Air pressure of 75kPa to 106 kPa
- No hoar frost, dew, percolating water, rain

3. Assembling The Microscope

3.1. Verifying Input Voltage

- The automatic voltage selection works with a broad range of settings. However, always use a power cord that is rated for the voltage used in your area and that has been approved to meet local safety standards. Using the wrong power cord could cause fire or equipment damage.
- In case of using the extension cord, use only a power supply cord with a protective earth (PE) wire.
- In order to prevent electric shock, always turn the power switch on the power supply off before connecting the power cord.
- Electrical Specifications:

a. Halogen

Input : 90-240V~, 38W, 50-60Hz (Halogen)

Lamp : 6V30W Halogen

Fuse : 250V T2.5A (If the original fuse is blown, please replace with specified fuse)

b. LED

Input : 90-240V~, 6W, 50-60Hz (LED)

Lamp : 3W LED

Fuse : 250V T1A (If the original fuse is blown, please replace with specified fuse)

3.2. Lamp and Lamp House Cover (Replacing The Lamp)



The lamp and the lamphouse become very hot during and after a period of operation.

Risk of burn – Do not touch the lamp during or immediately after period of operation.

Make sure the lamp has cooled sufficiently before attempting to replace the lamp.

a. Halogen

- In order to prevent electric shock always turn the power switch off and unplug the power cord before installing or replacing the lamp.
- Place microscope on its back and pull back the lamp house cover plate.
- Firmly insert the lamp into the socket pinholes until it reaches the limit. Be careful not to tilt the lamp when mounting.
- When installing the lamp, do not touch the glass surface of the lamp with bare fingers. Doing so will cause fingerprints, grease, etc., to burn onto the lamp surface, reducing the illumination provided by the lamp. If the surface is contaminated,