

LWT300LPT Polarizing Microscope

LWT300LPT transmitted & reflected polarizing microscope is utilized polarizing light to observe and research the matter which have double refraction features, the user can make single polarizing observation, orthogonal observation, conoscope observation. It is applied in geology, chemicals, physic and leechdom fields, widely used to observe the crystal of liquid macromolecule polymer, biomedical polymer and liquid crystal. It is the ideal instrument for scientific research and universities teaching demo. Features

Features

1. Adopt infinity optical system and modularization function design.
2. Infinity long W.D plan objectives, the field of view is widely and clear.
3. Wide-field plan eyepieces: field number $\Phi 22\text{mm}$.
4. Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: $2\ \mu\text{m}$.
5. Polarizing unit can be move out or into optical path, polarizer and analyzer can be rotated from 0° to 360° .
6. Rotatable stage, 360° graduated in 1° increments, minimum retardation resolution $6'$ center adjustable and with tightener. Stage vertical effective movement up to 30mm
7. effective movement up to 30mm
8. Wide voltage range power supply (85-265V 50/60Hz), 6V30W halogen lamp, brightness adjustable.
9. Trinocular can be observation for eyepieces and microphotography in 100% light flux, suits for low illuminance microphotography



Standard Configuration

1. Eyepiece Wide field (WF10X/ $\Phi 22\text{mm}$)
Dividing eyepiece (field number/ $\Phi 22\text{mm}$) 0.10mm/Div
2. Objective Strain-free plan achromatic objective (no cover glass)

PL L5X/0.12 (Work distance): 26.1 mm

PL L10X/0.25 (Work distance): 20.2 mm

PL L40X/0.60 \times spring \times (Work distance): 3.98 mm

PL L60X/0.70 \times spring \times (Work distance): 3.18 mm

3.Reflected illuminating

system 6V30W halogen, brightness enable control.

Polarizer can be rotated 360°.

Analyzer can be rotatable 360° with scale and minimum vernier

Integrated field and aperture diaphragm.

4.Nosepiece Quadruple (the center of nosepiece is adjustable)

5.Intermediate attachment Puller type bertrand lens

6.Compensator: λ , $\lambda/4$ and quartz wedge compensator.

7.Eyepiece tube Trinocular is inclined 30° and enable to shoot in 100% light flux.

8.Focus system Coaxial coarse/fine focus with tension adjustable and up stop device, minimum division of fine focusing: 2 μ m.