

## LW300LJT Metallurgical Microscope

LW300LJT reflected and transmitted microscope is suitable to observe surfaces of non-transparent object or transparent

object. It is equipped with vertical illuminator, infinity plan achromatic objectives with long working distance (no cover

glass), wide-field eyepieces and set polarizer device in trinocular. It provides clear and high-contrast image, beautiful sculpt, convenient control, etc. It is the ideal instruments in research work in biology, metallography, mineralogy, precision engineering, electronics, etc. It is suitable for scientific research, teaching demonstration in the colleges and factory.

### Features

▲ With infinity plan achromatic objectives with long working distance (no cover glass) and wide-field eyepieces, can get clear pictures and wide view field.

▲ Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing:  $2\ \mu\text{m}$

▲ Movement of stage: 30mm

▲ With vertical illuminator and transmitted illuminator, can observe surfaces of non-transparent object or transparent object.

▲ Trinocular, can switch to observe normally or to observe the Polarize, can send 100% of light to the binocular eyepieces or to the top port.

### Standard Configuration

Eyepiece :Wide field (WF10X/22mm)

Objective Infinity plan achromatic objectives with long working distance (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 Spring (Work distance): 3.98 mm



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PL L60X/0.70 Spring (Work distance): 3.18 mm

Eyepieces tube: Trinocular inclined 30°, can be shot in 100% light flux.

Epi- illumination system: 6V 30W, halogen lamp, adjustable brightness

Integrated field diaphragm, aperture diaphragm and filter switching device. Push-pull type analyzer and polarizer

Focus system Coaxial coarse/fine focus system, with tension adjustable and limit stopper, minimum division of fine focusing: 2μm.

Nosepiece Quintuple (Backward ball bearing inner locating)

Stage Double layer mechanical (Size:210mmX140mm,movingrange:75mmX50mm)

Transmitted illumination

system Abbe condenser NA.1.25 Rack & pinion adjustable

Blue filter and Ground glass

Collector for illumination with halogen lamp (With field diaphragm )

6V 30W halogen lamp, adjustable brightness