

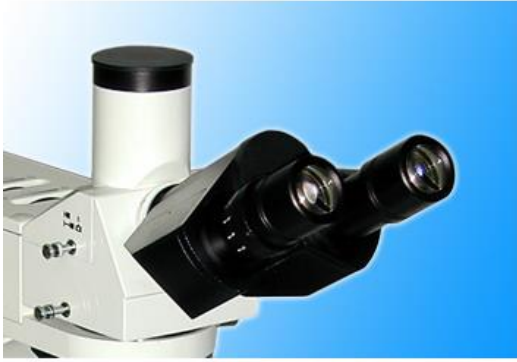
L3003



L3003 reflected metallurgical microscope is suitable to observe the surfaces of the non-transparent object. It is equipped with vertical illuminator, 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 picture, beautiful sculpt, convenient operation, etc. It is the ideal instruments for research work in metallography, mineralogy, precision engineering, electronics, etc. It is suitable for scientific research, teaching demonstration in the colleges and factory.

Features

- ▲ With 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: $2\mu\text{m}$.
- ▲ 6V 20W halogen lamp, adjustable brightness.
- ▲ Trinocular, can switch to observe normally or to observe the polarized, can send 100% of light to the binocular eyepieces or to the top port.



Observation System

Trinocular, single diopter adjustment, inclined 30° and integrated analyzer, it can be connected to the camera.

10X wide field plan eyepiece, field Φ18mm, can provide expanse and smooth observation space. Another eyepiece is 10X division eyepiece used for proofreading the centre.



Epi-illumination system

6V 20W, halogen lamp, brightness adjustable.

Integrated field, aperture diaphragm and (Y, B, G, ground glass) switching device. Push-puller polarizer can be circumrotated for 360° .

Focus system

Coaxial coarse/fine focus system with tension adjustable and up stop, minimum division of fine focusing:2um.



Photography Unit

By adding the appurtenance such as CCD adapter, digital camera adapter and single-reverse digital camera adapter and etc. It can achieve high clear observation mode of camera and vidicon

Specification

• **Standard Configuration**

Model	L3003
Eyepiece	Wide field WF10X(Φ18mm)
Objective	Plan achromatic objectives with long working distance (no cover glass) PL 5X/0.12
	Plan achromatic objectives with long working distance (no cover glass) PL L10X/0.25

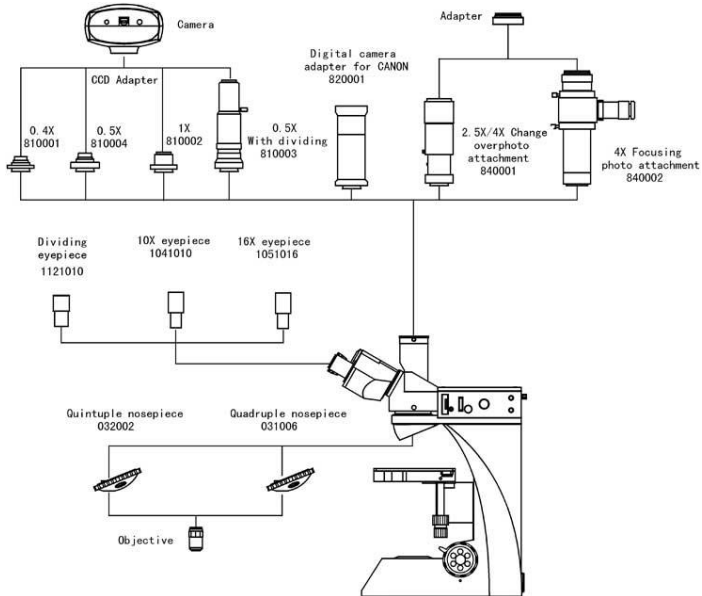
	Plan achromatic objectives with long working distance (no cover glass) PL L20X/0.40
	Plan achromatic objectives with long working distance (no cover glass) PL L50X/0.70
Eyepieces tube	Trinocular, Inclination of 30°, (Analyzer with field diaphragm to switch)
Vertical illumination unit	6V 20W, Halogen lamp, Adjustable brightness
	Vertical illumination With field diaphragm, aperture diaphragm and polarizer,(Y,B,G)filter and Ground glass
Focus system	Coaxial coarse/fine focus system, with tension adjustable and up stop, minimum division of fine focusing: 2μm.
Nosepiece	Quadruple Backward ball bearing inner locating
Stage	Double layer mechanical (Size: 210mmX140mm,moving range:63mmX50mm)

- **Optional accessories**

Name	Sort/Technique parameter	NO.
Eyepiece	Wide field WF16X(Φ11mm)	1051016
	Dividing 10X(Φ18mm) 0.1mm/Div	1121010
Objective	Plan achromatic objectives with long working distance (no cover glass) PL L 40X/0.60	2250140
	Plan achromatic objectives with long working distance (no cover glass) PL L 60X/0.75 (Spring)	2250160
	Plan achromatic objectives with long working distance (no cover glass) PL L 80X/0.80	2250180
	Plan achromatic objectives with long working distance (no cover glass) PL L 100X/0.85 (Spring)	2250111
	Plan achromatic objectives (no cover glass) PL 100X/1.25(Spring, oil)	2240111
Nosepiece	Quintuple Backward ball bearing inner locating	032002
CCD adapter	0.4X	810001
	0.5X	810004
	1X	810002
	0.5X with dividing 0.1mm/Div	810003
Camera	DV-1 With USB & video output	800001
	DV-2 With USB output	800003
	DV-3 With video output	800005
Photo unit	2.5X/4X Change over photograph attachment with 10X viewing eyepiece	840001
	4X Focusing photograph attachment	840002
	MD Adapter	840003

	PK Adapter	840004
Digital camera adapter	CANON(A610,A620,A630,A640)	820001

Diagram



Dimensions

