

L2030



L2030 series reflected and transmitted metallurgical microscopes are suitable to observe surfaces of the non-transparent object or transparent object. They are equipped with vertical illuminator and transmitted illuminator, plan achromatic objectives with long working distance(no cover glass), wide field eyepieces and set polarizer device in trinocular. They provide the clear and high-contrast image, convenient control. They are the ideal instruments in research work in biology, metallography, mineralogy, precision engineering, electronics and etc. They are 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: $2\mu\text{m}$.
- ▲ With vertical illuminator and transmitted illuminator, can observe surfaces of the non-transparent object or transparent object.
- ▲ 6V 20W halogen lamp, brightness control.
- ▲ 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.



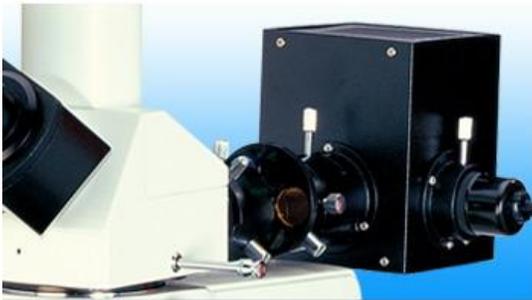
Observation System

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

10X wide field plan eyepiece, field Φ 18mm, can provide expanse and smooth observation space. Another eyepiece is 10X division eyepiece used for proofreading the centre.

Stage:

Double layer mechanical stage, size of 185mmX140mm, move range: 75mmX50mm. The design is in reason so that the operator feel easy and comfort.



Epi-illumination system

6V 20W, halogen lamp, brightness adjustable.

Integrated field, aperture diaphragm and (Y, B, G, ground glass) switching device. Puller polarizer can be circumrotated for 90°.

Transmitted-illumination system

Outside field diaphragm, 6V 20W halogen lamp, brightness adjustable. Abbe condenser NA.1.25 Rack & pinion adjustable Equipped with B filter and frosted glass.



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

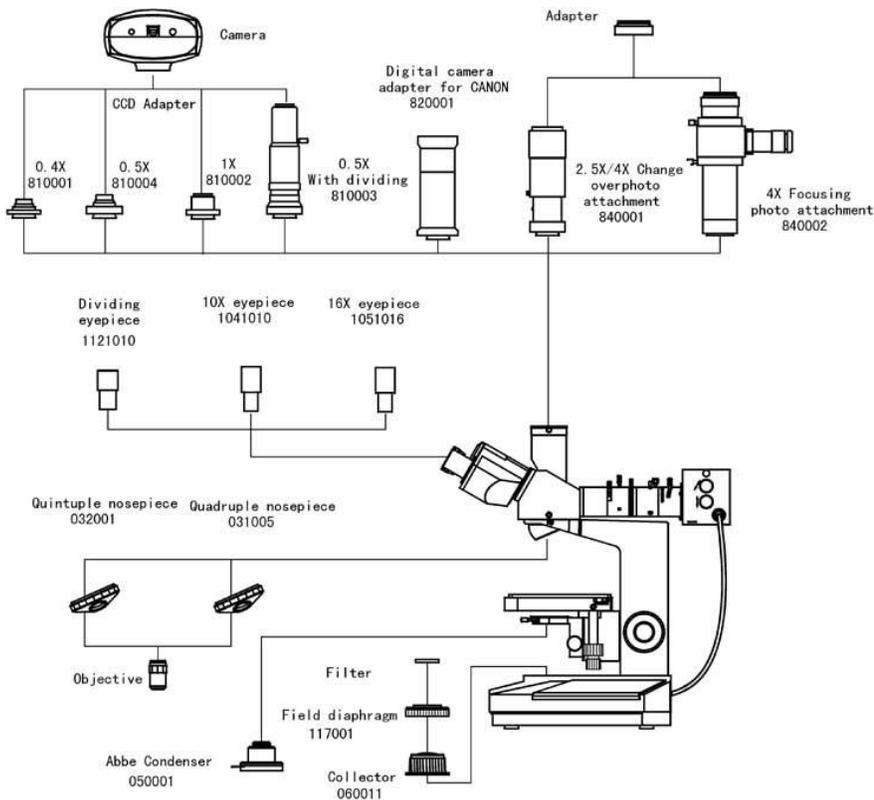
Model	L2030A	L2030B
Eyepiece	Wide field WF10X(Φ 18mm)	
Objective	Plan achromatic objectives with long working distance (no cover glass) PL 5X/0.12	Plan achromatic objectives with long working distance (no cover glass) PL 5X/0.12
	Plan achromatic objectives with long working distance (no cover glass) PL L10X/0.25	Plan achromatic objectives with long working distance (no cover glass) PL L10X/0.25
	Plan achromatic objectives with long working distance (no cover glass) PL L40X/0.60	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 L60X/0.75(Spring)	Plan achromatic objectives with long working distance (no cover glass) PL L40X/0.60
		Plan achromatic objectives with long working distance (no cover glass) PL L60X/0.75(Spring)
Eyepieces tube	Trinocular, Inclination of 30°, (Analyzer with field diaphragm to switch)	
Vertical illumination unit	6V 20w, the halogen lamp, brightness control.	
	Vertical illumination with field diaphragm, aperture diaphragm and polarizer,(Y,B,G)filter and frosted filter	
Focus system	Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2 μ m.	
Nosepiece	Quadruple(Backward ball bearing inner locating)	Quintuple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:185mmX140mm,moving range:75mmX50mm)	
Vertical illumination unit	Abbe condenser NA.1.25 Rack & pinion adjustable	
	Blue filter and frosted filter	
	Collector for halogen lamp	
	6V 20w halogen lamp, brightness control.	

• **Optional accessories**

Name	Sort/Technique parameter	NO.
Eyepiece	Wide field WF16X(Φ 11mm)	1051016
	Dividing 10X(Φ 18mm) 0.1mm/Div	1121010
Objective	Plan achromatic objectives with long working distance (no cover glass) PL L 50X/0.70	2250150
	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
Filter	Green filter	115002

	Yellow filter	115003
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

