

# L3203/L3220/L3230/L3230BD

正置金相显微镜  
UPRIGHT METALLURGICAL MICROSCOPE



L3230BD



L3230



L3203

L3203/L3220/L3230/L3230BD 系列正置金相显微镜适用于对不透明物体或透明物体的显微观察。采用优良的无限远光学系统与模块化功能设计理念，可提供卓越的光学性能与产品系统升级，实现透反射同步或独立照明，偏光观察、暗场观察等功能。产品具有造型美观，操作方便，图像清晰等特点，是生物学、金属学、矿物学、精密工程学、电子学等研究的理想仪器。

L3203/L3220/L3230/L3230BD series upright metallurgical microscopes are suitable to observe surfaces of opaque object or transparent object. They are equipped with excellent UIS optical system and modularization function design so that provided excellent optical quality and operation performance, update system expediently and provided observation in reflected or transmitted and mixed illumination, polarizing observation, dark field observation. These instruments have beautiful sculpt, convenient control and clear image. They are the ideal instruments in research work in biology, metallography, mineralogy, precision engineering, electronics, etc.

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## 技术规格 Specification

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目镜 Eyepiece	大视野 WF10X (视场数Φ22mm) Wide field WF10X (field number Φ22mm)		
无限远平场消色差物镜 Infinity plan achromatic objective	L3203/3220/3230 (配明场物镜) (Equipped with bright field objectives)	PL L5X/0.12 工作距离 Work distance : 26.1 mm	
		PL L10X/0.25 工作距离 Work distance: 20.2 mm	
		PL L40X/0.60 工作距离 Work distance: 3.98 mm	
		PL L60X/0.70 工作距离 Work distance: 3.18 mm	
	L3230BD (配明/暗场物镜) (Equipped with bright & dark field objectives)	PL L5X/0.12BD 工作距离 Work distance: 9.7 mm	
		PL L10X/0.25BD 工作距离 Work distance: 9.3 mm	
		PL L20X/0.40BD 工作距离 Work distance: 7.2 mm	
		PL L40X/0.60BD 工作距离 Work distance: 3.0 mm	
目镜筒 Eyepieces tube	三目镜30°倾斜, 可100%透光摄影。 Trinocular inclined 30°, can be shot in 100% light flux.		
落射照明系统 Epi- illumination system	L3203/L3220/L3230	6V30W卤素灯, 亮度可调。 6V30W halogen lamp, adjustable brightness.	
	L3230BD	12V 50W卤素灯, 亮度可调。 12V50W halogen lamp and adjustable brightness.	
	L3203/L3230/L3230BD	配置黄、蓝、绿滤色片与磨砂玻璃片。 equipped with Y, B, G filters and frosted glass	
	L3220	配置黄、蓝、绿、红滤色。 Equipped with Y, B, G, R filters.	
	内置视场光阑、孔径光阑、滤色片转换装置, 推拉式检偏器与起偏器 Integrated field diaphragm, aperture diaphragm and filter switching device. Push-pull type analyzer and polarizer		
调焦机构Focus system	粗微动同轴调焦, 微动格值: 2 μm,带锁紧和限位装置 Coaxial coarse/fine focus system with tension adjustable and up stop, minimum division of fine focusing: 2 μm.		
转换器 Nosepiece	五孔 (内向式滚珠内定位) Quintuple (Backward ball bearing inner locating)		
载物台 Stage	双层机械移动式载物台, 外形尺寸: 210mmX140mm, 移动范围: 75mmX50mm。 Double layer mechanical stage, size:210mmX140mm,moving range: 75mmX50mm.		
透射照明系统 Transmitted illumination system		阿贝聚光镜 NA.1.25 可上下升降 Abbe condenser NA.1.25 Rack & pinion adjustable	
		集光镜中内置视场光阑。 Collector for halogen lamp illumination and integrated field diaphragm	
	L3230/L3230BD	配置蓝滤色片与磨砂玻璃片。 Equipped with B filter and frosted glass	
	L3220	配置蓝、黄、绿滤色片与磨砂玻璃片 Equipped with B, Y, G filters and frosted glass.	
	L3220/L3230	6V30W卤素灯,亮度可调。 6V30W halogen lamp, brightness adjustable.	
L3230BD	12V30W卤素灯,亮度可调。 12V30W, halogen lamp, brightness adjustable.		
选配件 Optional Accessory	目镜 Eyepiece	分划目镜10X (Φ22mm) Dividing eyepiece (Φ22mm)	
	物镜 Objective	L3203/3220/3230	明场物镜 Bright field objective: 20X、50X、80X、100X (干式Dry)
		L3230BD	明/暗场物镜 Bright & dark field objective: 50X、60X、80X、100X
	CCD接头CCD adapter	0.5X、1X、0.5X带分划尺(With dividing)	
	摄像机Camera	USB输出: 130/300/500/900万像素 USB output: 1.3M/3.0M/5.0M/9.0Mpixel VIDEO输出: 380/520 电视线 VIDEO output: 380/520 TV Line	
数码相机接头 Digital camera adapter	CANON (EF) NIKON ( F)		

注: L3220透射与落射照明系统可独立控制。 Note: The transmitted and reflected illumination system of the mode L3220 are controled independently.