

7. BS-6010R/TR Metallurgical Microscope



BS-6010BR



BS-6010BTR

Introduction

BS-6010R/TR Metallurgical Microscopes are high level metallurgical microscopes with Reflected / Transmitted & Reflected illumination system, they not only can be used to identify and analyze a variety of metals, alloys, non-metallic material and the organizational structure and integrated circuits, but also can be applied to micro-particles, wires, fibers, surface coating such as some of the surface conditions. Digital cameras can be added to the trinocular tube to take images and make image analysis.

Feature

1. Infinite optical system provides excellent optical functions.
2. Laboratory metallurgical microscope, including bright field, dark field, polarization and DIC observation system.
3. Powerful transmitted and reflected system with Kohler illumination.
4. Ideal instrument for industry inspection and science research.

Application

BS-6010R/TR is widely used in institutes and laboratories to observe and identify the structure of various metal and alloy, it also can be widely used in electronics, chemical and instrumentation industry, observe the opaque material and transparent material, such as metal, ceramics, integrated circuits, electronic chips, printed circuit boards, LCD panels, film, powder, toner, wire, fibers, plated coatings, and other non-metallic materials and so on.

Specification

Item	Specification	BS-6010BR	BS-6010BTR
Optical System	Infinite Optical System	•	•
Viewing Head	Siedentopf binocular viewing head, inclined at 30°, interpupillary distance 48-75mm	•	•
	Siedentopf trinocular viewing head, inclined at 30°, interpupillary distance 48-75mm	○	○

Extra Wide Field Eyepiece	WF10×/22mm	●	●
	WF10×/22mm Eyepiece with scale of cross hair	●	●
	EW15×/16mm	○	○
	EW20×/12mm	○	○
Infinite Plan Achromatic Objective	5×/0.12/∞/- (BF&DF) LWD 10mm	●	●
	10×/0.25/∞/- (BF&DF) LWD 10mm	●	●
	20×/0.40/∞/0 (BF&DF) LWD 5.0mm	●	●
	50×/0.75/∞/0 (BF&DF) LWD 1.3mm	●	●
	100×/0.90(Dry)/∞/0 (BF&DF) LWD 0.7mm	●	●
	40×/0.65/∞/0.17 (BF) WD 0.6mm		●
	100×/1.25/∞/0.17 (BF) WD 0.16mm		●
Nosepiece	Backward quintuple nosepiece	●	●
Stage	Double layer mechanical stage 216×150mm, Moving range 78×54mm		●
	Double layer mechanical stage 188×148mm, Moving range 78×54mm	●	
Focusing	Coaxial coarse & fine adjustment, fine division 2μm, moving range 30mm	●	●
Kohler Illumination	Reflected 12V/50W Halogen light, Center and brightness adjustable	●	●
	Transmitted 12V/20W Halogen light, Center and brightness adjustable		●
	Polarizer and analyzer	●	●
	DIC attachment	○	○
	Green, Gray and ground glass filter	●	●
Accessories	Specimen Presser	○	○
	Photo Adapter(Used to connect DSLR camera to the microscope)	○	○
	0.5× Video adapter with C-mount	●	●
	Stage Micrometer 0.01mm	●	●

Note: ●Standard parts, ○Optional parts

Sample Images

