

BS-6006 Metallurgical Microscope



BS-6006B

Introduction

BS-6006 series metallurgical microscopes are basic level professional metallurgical microscopes which are specially designed for metallurgical analysis and industrial inspections. With excellent optical system, ingenious stand and convenient operation, they can be widely used in industrial areas for PCB board, LCD display, metal structure observation and inspection. They also can be used in colleges and universities for metallography education and research.

Feature

1. Color corrected finite optical system, high image quality and resolution.
2. PL10X/18mm eyepiece can be mounted with micrometer.
3. Long working distance plan achromatic metallurgical objectives can provide very nice images.
4. Reflected Koehler illumination with anti-reflection structure, makes the images clear and better contrast.
5. Wide range input voltage 90-240V, 6V/30W halogen lamp, center of the filament can be adjusted. Brightness can be adjusted.
6. Double layer mechanical stage, low position coaxial focusing system, 180X145mm stage plate, large samples can be placed on the stage.
7. Yellow, green, blue, white filters and polarizing attachment are available.

Application

BS-6006 series metallurgical microscopes are widely used in institutes and laboratories to observe and identify the structure of various metal and alloy, they 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.

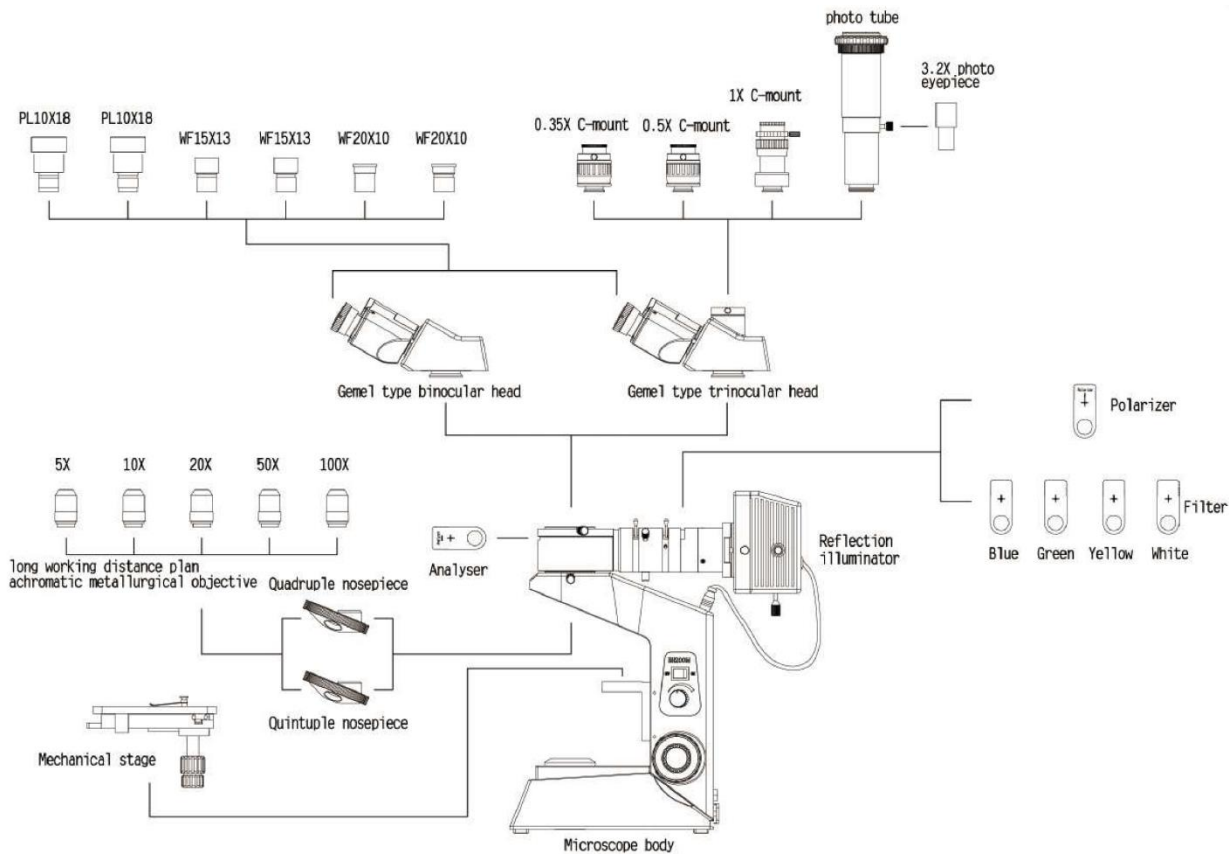
Specification

Item	Specification	BS-6006B	BS-6006T
Optical System	Color corrected finite optical system	●	●
Viewing Head	Siedentopf binocular viewing head, inclined at 30°, interpupillary distance 54mm-75mm, diopter ±5 adjustable on both eyepiece tube, eyepiece tube Φ23.2mm	●	
	Siedentopf trinocular viewing head, inclined at 30°, interpupillary distance 54mm-75mm, diopter ±5 adjustable on both eyepiece tube, eyepiece tube Φ23.2mm, binocular: trinocular=80:20		●
Eyepiece	High eye-point plan eyepiece PL10×/18mm	●	●
	High eye-point plan eyepiece PL10×/18mm with reticle	○	○
	High eye-point plan eyepiece PL15×/13mm	○	○
	High eye-point plan eyepiece PL20×/10mm	○	○
Finite LWD Plan Achromatic Metallurgical Objective (Conjugate Distance: 195mm)	5×/ 0.13/ 0 (BF) WD 15.5mm	●	●
	10×/ 0.25/ 0 (BF) WD 8.7mm	●	●
	20×/ 0.40/ 0 (BF) WD 8.8mm	●	●
	50×(S)/ 0.60/ 0 (BF) WD 5.1mm	●	●
	100×(S)/ 0.80/ 0 (BF) WD 2.0mm	○	○
Nosepiece	Quadruple nosepiece	●	●
	Quintuple nosepiece	○	○
Focusing	Coaxial coarse and fine adjustment, with coarse adjustment stop and tightness adjustment. Coarse adjustment range: 28mm, precision of fine adjustment: 0.002mm	●	●
Stage	Double layer mechanical stage with X-Y coaxial adjustment, stage size 140×132mm, with 180×145mm stage plate, moving range: 76mm×50mm	●	●
Reflected Illumination	Reflected Kohler illumination, Adaptation wide voltage 90V-240V, 6V/30W halogen bulb, brightness adjustable, with iris diaphragm and field diaphragm, the center of field diaphragm is adjustable	●	●
Transmitted Illumination	6V30W transmitted illumination system, brightness adjustable	○	○
Condenser	N.A.1.25 condenser with iris diaphragm	○	○
Polarizing Attachment	Simple polarizing attachment with polarizer and analyzer for reflected illumination	○	○
Filter	Yellow filter	○	○
	Green filter	○	○
	Blue filter	○	○
	Neutral filter	○	○
C-mount adapter	0.35× focusable C-mount adapter	○	○
	0.5× focusable C-mount adapter	○	○
	0.65× focusable C-mount adapter	○	○
	1× focusable C-mount adapter	○	○
	23.2mm trinocular tube for digital eyepiece	○	○
Stage Micrometer	High precision stage micrometer, scale value 0.01mm	○	○

Packing	1 carton/set, carton size: 50×28×79mm, 17kgs	•	•
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Note: ●Standard Outfit, ○Optional

System Diagram



Sample Image

