

HST301-A Trinocular upright metallographic microscope



HST Group Co.,LTD.

Development Base of Advanced Testing Machine Of China

Introduction

HST301-A series reflected metallurgical microscopes are suitable to observe the surfaces of non-transparent object. They are equipped with vertical illuminator, plan achromatic objectives with long working distance (no cover glass), wide-field eyepieces and set polarizer device in trinocular. They provide clear and high-contrast picture, convenient operation and etc. They are the ideal instruments for research work in metallography, mineralogy, precision engineering, electronics and etc. They are suitable for scientific research, teaching demonstration in the colleges and factory.

Observation system

Trinocular observation tube, single vision is adjustable, the lens tube is tilted at 30°, and can be connected to a camera device.



Mechanical stage

Double-layer mechanical stage, size: 185*140mm; movement range: 75mm*50mm, moderate design concept, making it more convenient and comfortable for users to operate the stage.



Epi-illumination system

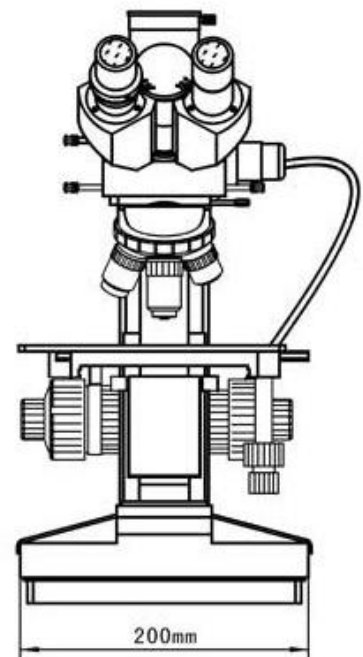
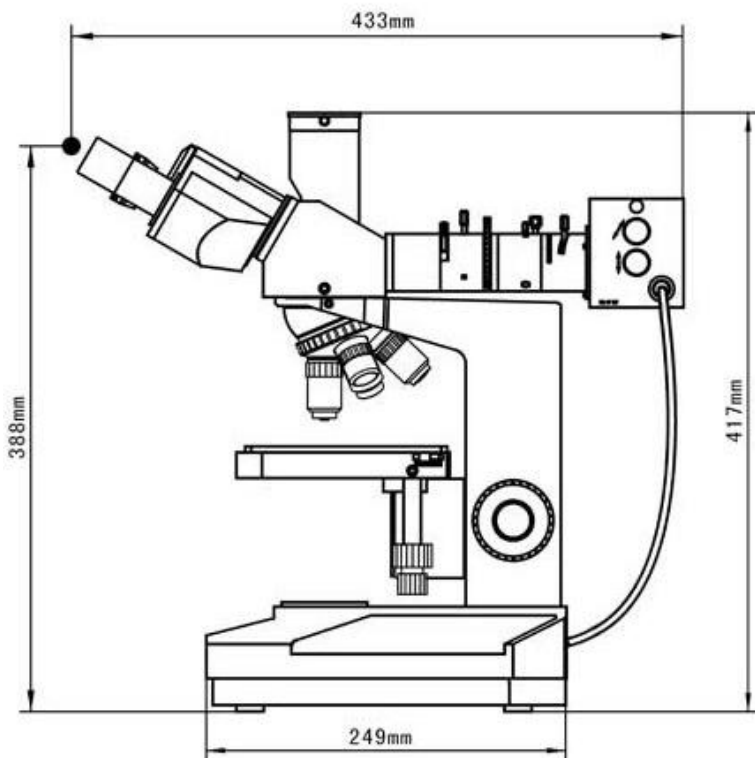
6V20W halogen lamp, adjustable brightness. Built-in field diaphragm, (yellow, green, blue, frosted glass) color filter conversion device, push-pull polarizer



Main Specifications

Standard Configuration		Model
Item	Specification	HST301-A
Optical system	Finite distance chromatic aberration correction optical system	●
Observation tube	Trinocular, tilted 30°, (built-in analyzer, can be switched)	●
Eyepiece	Large field of view WF10X (Φ18mm)	●
Standard objective lens (long distance plan achromatic objective lens)	PL L5X/0.12 WD15.5 mm	●
	PL L10X/0.25 WD8.80mm	●
	PL L40X/0.6 WD3.73 mm	●
	PL L60X/0.75 WD1.34 mm	●

Converter	Four holes (inward-facing ball positioning)	●
Focusing mechanism	Coarse and fine motion coaxial focusing, fine motion grid value: 2μm, coarse motion and tightness adjustable, with locking and limiting device	●
Stage	Double-layer mechanical mobile (size: 185mmX140mm, moving range: 75mmX50mm)	●
Lighting system	6V 20W, halogen lamp, adjustable brightness; epi-illuminator with field diaphragm, aperture diaphragm, and polarizer.	●
Color filter	Equipped with frosted glass, yellow, green and blue color filters	●





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