

HST301-D Medium-sized upright metallographic microscope



HST Group Co.,LTD.

Development Base of Advanced Testing Machine Of China

1. Application

This device is computerized metallographic microscope is a three lens transparent reflection upright metallographic microscope, suitable for microscopic observation of opaque or transparent objects. Adopting excellent infinite distance optical system and module functional design concept, it can provide excellent optical performance and product system upgrades, achieving independent lighting, polarized light observation, light and dark field observation, etc. The product has the characteristics of beautiful appearance, easy operation, clear images, etc. It is an ideal instrument for research in biology, metallurgy, mineralogy, precision engineering, electronics, and other fields.

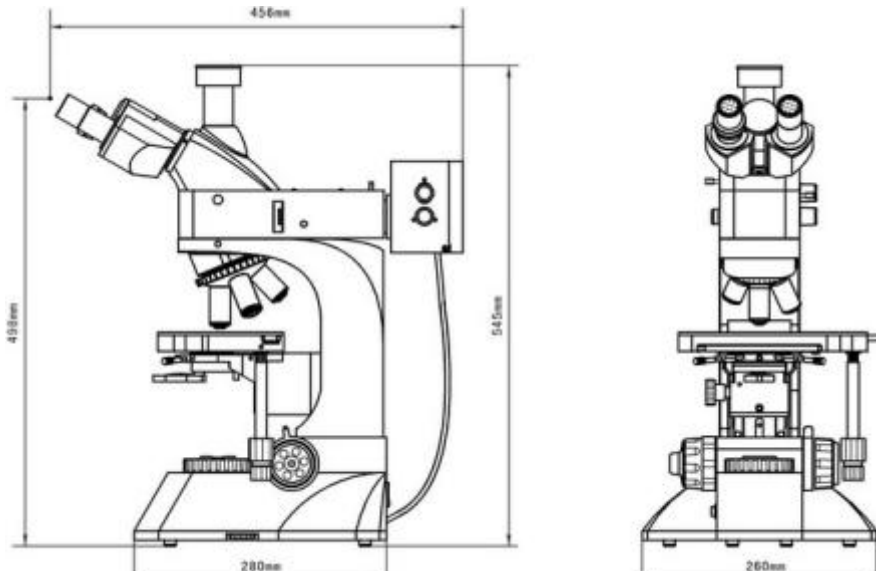
Mechanical loading platform Double layer mechanical loading platform, size: 210 * 140mm; The design concept of 63 * 50mm movement range and visibility makes it more convenient and comfortable for users to operate the loading platform.	
Fallout lighting system The use of halogen lamps (with adjustable brightness) not only provides clear and distinct microscopic observation images for conventional bright field observation methods, but also for polarized and dark field observation methods. Equipped with built-in field of view and aperture apertures, it can effectively control the field of view range, adjust the field of view contrast, and the center of the field of view aperture can be adjusted	
Transmission lighting system Built in halogen lamp lighting device: using 12V30W halogen lamp (adjustable brightness), it can provide clear and distinct microscopic observation images. The collector is equipped with a built-in field of view aperture and an Abbe condenser lens N A. 1.25, adjustable up and down for lifting.	

2. Main Specifications

Standard configuration		Model
Item	Specification	HST301-D

Optical system	Infinite color difference correction optical system	■
observation tube	Trinocular tube, 30° inclined.	■
Eyepiece	Wide filed of view WF 10X/22mm	■
Objective lens	PL L5X/0.12 BD WD9.7mm	■
	PL L10X/0.25 BD WD9.3mm	■
	PL L20X/0.40 BD WD7.20mm	■
	PL L40X/0.60 BD WD3.00mm	
Converter	Fiver-hole converter	■
Focusing mechanism	Coarse and micro coaxial focusing, micro grid value: 2 μ m. Adjustable coarse elasticity with locking and limiting devices	■
Stage	Double-layer mechanical mobile type (size:210*140mm, moving range: 63*50mm)	■
Fallout lighting system	12V50W halogen lamp with adjustable brightness, equipped with yellow, blue, green filters and frosted glass sheets	■
	Built in field of view light bar, aperture light bar, filter conversion device, push-pull polarizer and polarizer	■
Transmission lighting system	Abbe spotlight NA.1.25 can be raised and lowered	■
	Built in field of view light bar in the spotlight, 12V30W halogen lamp, adjustable brightness	■
Optional configuration		
Item	Specification	
Eyepiece	Wide field of view WF10X/22mm, differentiated eyepiece	○
Optional objective lens (Infinite flat field light and dark field objective)	PL L50X/0.70 BD WD2.50mm	○
	PL L60X/0.75 BD WD1.90mm	○
	PL L80X/0.80 BD WD0.80mm	
	PL L100X/0.85 BD WD0.40mm	
Computer	HP	○
Metallographic analysis system	FMIA2023 genuine metallographic analysis software, 12 megapixel Sony chip camera device, 0.65X adapter mirror interface, micrometer.	○

Note: " " is the standard configuration; " O" is the option





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