

HST402-A

Medium-Sized Upright Metallographic Microscope



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- OBSERVATION TUBE

The observation tube adopts the optimal and comfortable angle of the newborn bed (30°), which can relieve the user's tension and fatigue during long working conditions and ensure the best observation state. The scale on the observation tube allows users to adjust the optimal interpupillary distance range by themselves.

- EPI-ILLUMINATOR

Adopt Kohler illumination system with field diaphragm, aperture diaphragm and oblique illumination device; preset polarizer, analyzer and color filter slot.

Single 5W LED warm white lighting (3000-3300K), compared with similar LED lighting, can minimize the observer's visual fatigue. The field diaphragm and aperture diaphragm adopt a pull rod device with an adjustable center, which can flexibly adjust the size of the illumination range and effectively avoid the impact of stray light on the image.

The polarizer and analyzer can realize simple polarized observation. You can also choose color filters of different colors according to your needs to obtain the ideal observation effect.

◆ INTRODUCTION

HST402-A metallographic microscope is a trinocular upright metallographic microscope. This machine has excellent imaging performance and comfortable operating experience, and provides customers with cost-effective metallographic analysis and industrial inspection solutions.

◆ MAIN SPECIFICATIONS

Component	Specification
Optical system	Infinite Chromatic Aberration Correction Optical System
observation tube	30° tilt, hinged trinocular observation tube, 360° rotation; interpupillary distance adjustment: 54mm~75mm, unilateral diopter adjustment: ±5 diopters, two levels of splitting ratio, binocular: trinocular = 100:0, 50: 50
Eyepiece	High eye point and large field of view plan eyepiece PL10X/22mm
	High eye point and large field of view plan eyepiece PL15X/16mm
Infinity long distance plan achromatic objective lens	LMPL 5X /0.15 WD10.8mm
	LMPL 10X/0.30 WD12.2mm
	LMPL 20X/0.45 WD4.00mm
	LMPL 50X/0.55 WD7.9mm
	LMPL 100X/0.80 WD2.1mm
Converter	Internal positioning five-hole converter
Focusing mechanism	Reflective frame, low hand position coarse and fine coaxial focusing mechanism, coarse adjustment stroke 28mm, fine adjustment accuracy 0.002mm. Equipped with an adjustable elastic device and a random upper limit device to prevent sliding. With platform position up and down adjustment mechanism, the maximum sample height is 78mm.
Stage	Double-layer mechanical mobile platform, coaxial adjustment in X and Y directions for low hand position; platform area: 175X145mm, moving range: 76X42mm, can be equipped with a transreflective glass stage
Upper lighting system	Adaptive wide voltage 100V-240V_AC50/60Hz, reflective lamp chamber, single high-power 5W LED, warm color, Kolar illumination, with field diaphragm and aperture diaphragm, center adjustable, with oblique illumination device
Optional Configuration	
PC	HP
Eyepiece	High eye point and large field of view plan eyepiece PL10X/22mm (adjustable diopter, with micrometer)
Metallographic Analysis System	Metallographic analysis software,12 million Sony chip camera device, 0.5X adapter mirror interface. Micrometer
Focusing mechanism	Transflective dual-purpose frame, low-hand position coarse and fine coaxial focusing mechanism, coarse adjustment stroke 28mm, fine adjustment accuracy 0.002mm. Equipped with an adjustable elastic device and a random upper limit device to prevent sliding. With platform position up and down adjustment mechanism, maximum sample height 28mm,
Lower lighting system	Adaptive wide voltage 100V-240V_AC50/60Hz, transmitted light chamber, single high-power 5W LED, warm color
Condenser	Swing-out achromatic condenser for transmission (N.A0.9) with variable aperture diaphragm, center adjustable
Color filter	Yellow, green contrast filters, neutral color filters