

STALWART

Laboratory Biological Microscope STM-6022 Series



STM-6022RF/TRF

Introduction

STM-6022RF/TRF metallurgical microscopes are high level professional microscopes which are specially designed for metallurgical analysis. With excellent optical system, ingenious stand and convenient operation, they will be your best choice. DIC oSTMervation attachment is optional for these microscopes to meet some special requirements

Features

- Laboratory metallurgical microscope, including bright field, dark field and polarization oSTMervation system, DIC attachment is also optional.
- Powerful transmitted and reflected system with Kohler illumination.
- Ideal instrument for metallurgical analysis, industry inspection and science research.

Specification

Item	Specification	STM-6022RF	STM-6022TRF
Optical System	Infinite optical system	Standard	Standard
Viewing Head	Siedentopf trinocular viewing head, inclined at 30°, interpupillary distance 48mm-75mm	Standard	Standard
Eyepiece	Extral wide field eyepiece EW10×/22mm, eyepiece tube Φ30mm	Standard	Standard
Infinite Plan Achromatic Objective	5×/ 0.12/∞/ - (BF&DF)	WD 12mm	Standard
	10×/ 0.25/∞/ - (BF&DF)	WD 10.0mm	Standard
	20×/ 0.4/∞/ 0 (BF&DF)	WD 4.3mm	Standard
	40×/ 0.65/∞/ 0.17	WD 0.54mm	
	100×/ 1.25/∞/ 0.17	WD 0.13mm	
	40×/ 0.6/∞/ 0 (BF&DF)	WD 2.9mm	Optional
	50×/ 0.75/∞/ 0 (BF&DF)	WD 0.32mm	Standard
	100×/ 0.8/∞/ 0 (BF&DF)	WD 2mm	Standard
DIC Attachment	20×, 100×	Optional	Optional
Maximum Sample Height	30mm		Standard
	50mm	Standard	
Reflected Light	24V/100W Halogen light, Brightness adjustable	Standard	Standard
	Kohler illumination and aspherical condenser	Standard	Standard
	Polarizer and analyzer	Optional	Optional
	An integrate device for polarizer and analyzer	Optional	Optional
	Blue, Green, Yellow and Ground glass filter	Standard	Standard
Transmitted Light	Swing-out condenser NA0.9/ 0.25	Standard	Standard
	24V/100W Halogen light and aspherical condenser	Standard	Standard
	Blue filter	Standard	Standard
Filter	ND25, Nd6	Optional	Optional

Specification

Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 30mm	Standard	Standard
Nosepiece	Backward quintuple nosepiece	Standard	Standard
Stage	Double layer mechanical stage(without hole) 186×138mm/ 74mm×50mm	Standard	
	Double layer mechanical stage 186×138mm/ 74mm×50mm		Standard
	Glass specimen preparation plate	Optional	Optional
	Specimen preparation plate		Standard
	Slide glass		Standard
Accessories	Specimen Presser	Optional	Optional
	Photo Attachment	Optional	Optional
	Video Attachment, C-Mount 1×, 0.5×	Optional	Optional
	0.01mm stage micrometer	Optional	Optional

Application

STM-6022RF/TRF 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

Accessory



Sample Pictures

