Laboratory Metallurgical Microscope IMM-1244



Laboratory Metallurgical Microscope IMM-1244 is a part of the range of laboratory microscope and stands out through its design which is ergonomic, vigorous and constant and stable. This laboratory microscope is used to view samples that will fit on the microscope stage. This range, with its large working distance with infinite plan: 5X/0.10,24-23mm, 10X/0.25-18.48mm, 20X/0.40 (S)-8.35mm, 50X/0.7-1.95mm objective. Adjustable 12V/50W reflected and transmitted halogen lamp to ensure the optimum illumination of the materials to be tested. The illuminating system consists of a high-intensity light source, Abbe N.A. 1.25 condenser lenses with Iris Diaphragm. The binocular viewing head with wild field WF10X22 mm, WF10X22 mm eyepieces fitted with 48-76 mm interpupilary distance as standard. Blue with optional Green, Yellow and Ground filters are often used to recover detail and polarizing filters, to produce surface glare and to recover grain boundary definition.

Technical Specification:

Model	IMM-1244
Type	Laboratory Metallurgical Microscope
Viewing Head	Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm, Tube diameter: 30mm
Optical System	Infinite
Focusing	Coaxial Coarse and Fine Focusing, Fine Division 0.002mm, Fine Stroke 0.2mm/Rotation, Moving Range 25mm. Tightness adjustment
Eyepiece	Adjustable WF10X22mm, WF10X22mm
Nosepiece	Backward Quintuple
Objective	Long Working Distance, Infinite Plan: 5X/0.10,24.23mm, 10X/0.25,18.48mm, 20X/0.40 (S)8.35mm, 50X/0.7,1.95mm
Stage	Mechanical Stage: 200x150mm, Travel range: 77x52mm. Stage fast lowering unit:
Light Source	12V/50W Halogen lamp Reflected illumination
Filter	Blue (optional: amber, green, grey) filters
Optional Accessories	C-mount Adapter, filters
Shipping Dimensions	750×360×450 mm
Shipping Weight	GW-16 kg NW-12 kg
Catalogue No.	440255-05-04

Technical Data:

Model	IMM-1244	IMM-1288
Type	Laboratory Metallurgical Microscope	
Viewing Head	Binocular Head, Inclined 30°, Rotatable 360°, Interpupilary Distance: 48-76mm, Tube diameter: 30mm(optional: Trinocular Head, Inclined 30°, Rotatable 360°, Interpupilary Distance: 48-76mm, Tube diameter: 30mm)	
Optical System	Infinite	
Focusing	Coaxial Coarse and Fine Focusing, Fine Division 0.002mm, Fine Stroke 0.2mm per Rotation, Moving Range 25mm. Tightness adjustment, upper distance limiter	
Eyepiece	Adjustable WF10X22mm, WF10X22mm	
Nosepiece	Backward Quintuple	
Objective	Long Working Distance, Infinite Plan: 5X/0.10,24.23mm, 10X/0.25,18.48mm, 20X/0.40 (S)8.35mm, 50X/0.7,1.95mm (optional:40X0.65 (S)3.90mm, 80X/0.80 (S)0.85mm , 100X/0.90 (S)1.00mm)	
Stage	Mechanical Stage: 200x150mm, Travel range: 77x52mm. Stage fast lowering unit:	Mechanical Stage: 182x140mm, Travel range: 77x52mm, Two slid holder, Metal plate size: 200x150mm
Light Source	12V/50W Halogen lamp Reflected illumination	12V/50W Halogen lamp Reflected and 6V/20W Halogen lamp transmitted illumination
Polarizing Unit	Yes	
Analyzing Unit		
Condenser	-	Abbe N.A. 1.25 with Iris Diaphragm
Filter	Blue (optional: amber, green, grey) filters	
Certification		
Optional Accessories	C-mount Adapter, filters	
Packing Dimension	750×360×450 mm	
Packing Weight	GW-16 kg NW-12 kg	
Electrical Requirement		
Catalogue No.	440255-05-04	440255-10-04



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