

METALLURGICAL MICROSCOPE



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Metallurgical Microscope is a specialized microscope designed for looking at cross-sections of metal targets , these are employed with high-resolution objective lenses with very short working distances and are usually inverted.

Used in Biological and Chemical Laboratory, Pharmaceutical, Food industry, Medical, Research Institutes, University.

MSC31 METALLURGICAL MICROSCOPE

Excellent optical function with infinite optical system.

Innovative stand structure and sharp image display.

Convenient operation and special design for viewing incubating cell tissue.

Valid mould proof design.

It can be used under the high temperature and high humidity environment.



SPECIFICATIONS

Model	MSC31-100D	MSC31-200D	MSC31-300D
Viewing Head			
Monocular Head Inclined at 45°	Yes	No	
Sliding Binocular Head Inclined at 45°	No	Yes	No
Sliding Trinocular Head Inclined at 45°	No		Yes
Compensation Free Trinocular Head 30°	No		
Siedentopf binocular viewing head, Inclined at 30°, Interpupillary 48-75 mm	-	-	-
Nosepiece			
Ball Beating Quadruple Nosepiece	Yes		
Backward quintuple nosepiece	-	-	-
Eyepiece			
WF10 X,WF12.5 X	Yes		
WF10x20 mm	No		
Objective			
Metallurgical objectives 10X, 40X, 100X (S, Oil)	Yes		
Infinity metallurgical objectives 4X, 10X 20X(S), 40X	No		
Stage			
Double Layer Mechanical Stage 242x172 mm moving range 75x50 mm	No		
Double Layer Mechanical Stage 135x140 mm moving range 70x50 mm	Yes		
Double layer mechanical stage 226x178 mm, Moving range 40 mmx40 mm	-	-	-
Stage Φ20, Φ30, teardrop	-	-	-
Focusing			
Coaxial coarse & fine focusing adjustment with rack and pinion mechanism fine focusing scale value 0.002 mm	Yes		
Coaxial coarse and fine adjustment, fine division 2µm	-	-	-

illumination			
Build-in illumination, Halogen lamp 6 V / 20 W,		Yes	
Filter			
Blue, Green, Yellow		Yes	
Power Supply			
AC110/220 V \pm 10%, 50/60 Hz		Yes	
Package Size			
300x400x520 mm		Yes	
730x350x550 mm	-	-	-
Gross Weight			
12 kg		Yes	
18kg	-	-	-
Optical System			
Infinite optical system	-	-	-
Extra Wide Field Eyepiece			
EW10 x/ 22	-	-	-
EW10 x/20 eyepiece with scale of cross hair	-	-	-
EW15 x/ 16	-	-	-
EW20 x/12	-	-	-
Infinite LWD Plan Achromatic Objective			
5x /0.12 / ∞ /0 (BF/DF) LWD 10 mm	-	-	-
10x /0.25 / ∞ /0 (BF/DF) LWD 10 mm	-	-	-
20x /0.4 / ∞ /0 (BF/DF) LWD 5 mm	-	-	-
50x /0.75 / ∞ /0 (BF/DF) LWD 1.3 mm	-	-	-
100x /0.9 / ∞ /0 (BF/DF) LWD 0.7 mm	-	-	-
Kohler Incident Light			
12 V/ 50 W halogen light, center and brightness adjustable	-	-	-
Polarizer and analyzer	-	-	-
DIC	-	-	-
Built-in green, blue, yellow, gray and ground glass	-	-	-
Accessories			
Photo/Video attachment	-	-	-
Micrometer scale 0.01mm	-	-	-

Model	MSC31-400D	MSC31-500D
Viewing Head		
Monocular Head Inclined at 45°	No	-
Sliding Binocular Head Inclined at 45°	No	-
Sliding Trinocular Head Inclined at 45°	No	-
Compensation Free Trinocular Head 30°	Yes	-
Siedentopf binocular viewing head, Inclined at 30°, Interpupillary 48-75 mm	-	Standard Outfit
Nosepiece		
Ball Beating Quadruple Nosepiece	Yes	-
Backward quintuple nosepiece	-	Standard Outfit
Eyepiece		
WF10 X,WF12.5 X	No	-
WF10x20 mm	Yes	-
Objective		

Metallurgical objectives 10X, 40X, 100X (S, Oil)	No	-
Infinity metallurgical objectives 4X, 10X 20X(S), 40X	Yes	-
Stage		
Double Layer Mechanical Stage 242x172 mm moving range 75x50 mm	Yes	-
Double Layer Mechanical Stage 135x140 mm moving range 70x50 mm	No	-
Double layer mechanical stage 226x178 mm, Moving range 40 mmx40 mm	-	Standard Outfit
Stage Φ 20, Φ 30, teardrop	-	Standard Outfit
Focusing		
Coaxial coarse & fine focusing adjustment with rack and pinion mechanism fine focusing scale value 0.002 mm	Yes	-
Coaxial coarse and fine adjustment, fine division 2 μ m	-	Standard Outfit
Illumination		
Build-in Illumination, Halogen lamp 6 V / 20 W,	Yes	-
Filter		
Blue, Green, Yellow	Yes	-
Power Supply		
AC110/220 V \pm 10%, 50/60 Hz	Yes	Standard Outfit
Package Size		
300x400x520 mm	Yes	-
730x350x550 mm	-	Standard Outfit
Gross Weight		
12 kg	Yes	-
18kg	-	Standard Outfit
Optical System		
Infinite optical system	-	Standard outfit
Extra Wide Field Eyepiece		
EW10 x/ 22	-	Standard outfit
EW10 x/20 eyepiece with scale of cross hair	-	Standard outfit
EW15 x/ 16	-	Optional
EW20 x/12	-	Optional
Infinite LWD Plan Achromatic Objective		
5x /0.12 / ∞ /0 (BF/DF) LWD 10 mm	-	Standard Outfit
10x /0.25 / ∞ /0 (BF/DF) LWD 10 mm	-	Standard Outfit
20x /0.4 / ∞ /0 (BF/DF) LWD 5 mm	-	Standard Outfit
50x /0.75 / ∞ /0 (BF/DF) LWD 1.3 mm	-	Standard Outfit
100x /0.9 / ∞ /0 (BF/DF) LWD 0.7 mm	-	Standard Outfit
Kohler Incident Light		
12 V/ 50 W halogen light, center and brightness adjustable	-	Standard Outfit
Polarizer and analyzer	-	Standard Outfit
DIC	-	Optional
Built-in green, blue, yellow, gray and ground glass	-	Standard Outfit
Accessories		
Photo/Video attachment	-	Optional
Micrometer scale 0.01mm	-	Standard Outfit



MSC31-100D



MSC31-200D



MSC31-300D



Product Image Coming Soon

MSC31-400D



MSC31-500D



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