

METALLURGICAL MICROSCOPES



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Metallurgical Microscopes are high-resolution microscopes used to observe opaque objects. It works on the principle of reflected light, incident light falls on the specimen surface gets reflected & magnified, and then passes through the plane glass reflector which again gets magnified by the upper lens of the eyepiece. These microscopes are majorly used in the inspection of metals, processing plastics, forensics, laser systems, and metallurgy.

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

LTMIC15-1 METALLURGICAL MICROSCOPE

The integration of structure design to save space. The Microscope has a monocular viewing head inclined at 45° and Ball Beating Quadruple Nosepiece. Valid mould proof design. It can be used under the high temperature and high humidity environment.



SPECIFICATIONS

Model	LTMIC15-1
Viewing Head	
Monocular Head Inclined at 45°	Yes
Sliding Binocular Head Inclined at 45°	No
Sliding Trinocular Head Inclined at 45°	No
Compensation Free Trinocular Head 30°	No
Nosepiece	
Ball Beating Quadruple Nosepiece	Yes
Eyepiece	
WF10 X,WF12.5 X	Yes
WF10X 20 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
Focusing	
Coaxial coarse & fine focusing adjustment with rack and pinion mechanism fine focusing scale value 0.002 mm	Yes
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
Gross Weight	
12 kg	Yes

LTMIC15-2 METALLURGICAL MICROSCOPE

The integration of structure design to save space. The Microscope has sliding binocular viewing head inclined at 45° and Ball Beating Quadruple Nosepiece. Valid mould proof design. It can be used under the high temperature and high humidity environment.



SPECIFICATIONS

Model	LTMIC15-2
Viewing Head	
Monocular Head Inclined at 45°	No
Sliding Binocular Head Inclined at 45°	Yes
Sliding Trinocular Head Inclined at 45°	No
Compensation Free Trinocular Head 30°	No
Nosepiece	
Ball Beating Quadruple Nosepiece	Yes
Eyepiece	
WF10 X, WF12.5 X	Yes
WF10X 20 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
Focusing	
Coaxial coarse & fine focusing adjustment with rack and pinion mechanism fine focusing scale value 0.002 mm	Yes
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
Gross Weight	
12 kg	Yes

LTMIC15-3 METALLURGICAL MICROSCOPE

The integration of structure design to save space. The Microscope has sliding trinocular viewing head inclined at 45° and Ball Beating Quadruple Nosepiece. Valid mould proof design. It can be used under the high temperature and high humidity environment.



SPECIFICATIONS

Model	LTMIC15-3
Viewing Head	
Monocular Head Inclined at 45°	No
Sliding Binocular Head Inclined at 45°	No
Sliding Trinocular Head Inclined at 45°	Yes
Compensation Free Trinocular Head 30°	No
Nosepiece	
Ball Beating Quadruple Nosepiece	Yes
Eyepiece	
WF10 X, WF12.5 X	Yes
WF10X 20 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
Focusing	
Coaxial coarse & fine focusing adjustment with rack and pinion mechanism fine focusing scale value 0.002 mm	Yes
Illumination	
Build-in Illumination, Halogen lamp 6 V / 20 W	Yes
Filter	
Blue, Green, Yellow	Yes
Power Supply	
AC110/220 V ± 10%, 50/60 Hz	Yes
Package Size	
300x400x520 mm	Yes

Gross Weight	
12 kg	Yes

LTMIC15-4 METALLURGICAL MICROSCOPE

The integration of structure design to save space. The Microscope has compensation free trinocular viewing head inclined at 30° and Ball Beating Quadruple Nosepiece. Valid mould proof design. It can be used under the high temperature and high humidity environment.



Product Image Coming Soon

SPECIFICATIONS

Model	LTMIC15-4
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
Nosepiece	
Ball Beating Quadruple Nosepiece	Yes
Eyepiece	
WF10 X, WF12.5 X	No
WF10X 20 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
Focusing	
Coaxial coarse & fine focusing adjustment with rack and pinion mechanism fine focusing scale value 0.002 mm	Yes
Illumination	
Build-in Illumination, Halogen lamp 6 V / 20 W	Yes
Filter	
Blue, Green, Yellow	Yes
Power Supply	
AC110/220 V ± 10%, 50/60 Hz	Yes
Package Size	
300x400x520 mm	Yes
Gross Weight	
12 kg	Yes

LTMIC15-5 METALLURGICAL MICROSCOPE

Excellent optical function with infinite optical system with Extra Wide Field Eyepiece and backward quintuple nosepiece. 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	LTMIC15-5
Optical System	
Infinite optical system	Standard
Extra Wide Field Eyepiece	
EW10X / 22	Standard
EW10X /20 eyepiece with scale of cross hair	Standard
EW15X / 16	Optional
EW20X /12	Optional
Infinite LWD Plan Achromatic Objective	
5X /0.12 /∞ /0 (BF/DF) LWD 10 mm	Standard
10X /0.25 /∞ /0 (BF/DF) LWD 10 mm	Standard
20X /0.4 /∞ /0 (BF/DF) LWD 5 mm	Standard
50X /0.75 /∞ /0 (BF/DF) LWD 1.3 mm	Standard
100X /0.9 /∞ /0 (BF/DF) LWD 0.7 mm	Standard
Viewing Head	
Siedentopf binocular viewing head, Inclined at 30°, Interpupillary 48-75 mm	Standard
Kohler Incident Light	
12 V/ 50 W halogen light, center and brightness adjustable	Standard
Polarizer and analyzer	Standard
DIC	Optional
Built-in green, blue, yellow, gray and ground glass	Standard
Focusing	
Coaxial coarse and fine adjustment, fine division 2μm	Standard
Nosepiece	
Backward quintuple nosepiece	Standard
Stage	
Double layer mechanical stage 226x178 mm, Moving range 40 mmx40 mm	Standard
Stage Φ20, Φ30, teardrop	Standard
Accessories	
Photo/Video attachment	Optional
Micrometer scale 0.01mm	Standard
Power Supply	

AC110/220 V ± 10%, 50/60 Hz	Standard
Package Size	
730x350x550 mm	Standard
Gross Weight	
18kg	Standard



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