

Metallurgical
Microscope
LB-70MUM



Overview :

Metallurgical microscope LB-70MUM is an infinite optical system with high magnification objective and long working distance. Ingenious stand and convenient operation takes place. Powerful transmitted and reflected systems with Kohler illumination.

Specifications :

Viewing head	Siedentopf trinocular headsplitting ratio Erect image, 30° inclined Interpupillary distance: 50 mm ~ 76 mm Eyepiece: Trinocular = 100:0 or 0:100
Eyepiece	High eyepoint wide field plan eyepiece PL10X/25 mm, diopter adjustable
Objective	Bright & Dark Field Semi-Apochromatic Metallurgical Objective 5X, NA=0.15, WD=13.5mm Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 10X, NA=0.30, WD=9mm Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 20X, NA=0.50, WD=2.5mm Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 50X, NA=0.80, WD=1.0mm Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 100X, NA=0.90, WD=1.0mm
Nosepiece (with DIC slot)	Bright & Dark Quintuple Nosepiece
Frame	Coarse adjustment distance: 25mm Fine precision: 0.001mm
Stage	4 inch three layers mechanical stage with glass plate, moving range: 102 mm(Y) x 105 mm(X)
Condenser	Swing-out type achromatic condenser (N.A.0.9)
Reflected Illuminator	BD reflected illuminator with iris field diaphragm and aperture diaphragm, central adjustable. With filter slot and polarizing slot. With switch for bright and dark field
Lamp House	12V/100W halogen lamp house, center pre-set

Features :

1. High magnification objective with long working distance
2. Comfortable operation with low position focus knob
3. Easy, safe and reliable lamp replacement device
4. Halogen lamp and adjustable brightness
5. Coaxial coarse and fine adjustment
6. Field diaphragm and adjustable center
7. Epi-illuminator with iris aperture diaphragm and iris field

Applications :

Used in industrial areas for PCB board, LCD display, metal structure observation and inspection. It also can be used for metallography education and research.

Optional Accessories:

Accessory No	Accessory	Specification
A70MUM	Viewing head	Siedentopf trinocular head, Inverted image, inclined at 30°, interpupillary distance: 50 mm ~ 76 mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100
A71MUM	Eyepiece	High eyepoint wide field plan eyepiece PL10X/25mm, with reticle, diopter adjustable
A72MUM		High eyepoint wide field plan eyepiece PL10X/26.5mm, diopter adjustable
A73MUM		High eyepoint wide field plan eyepiece PL10X/26.5mm, with reticle, diopter
A74MUM	Objective	Bright Field Semi-Apochromatic Metallurgical Objective 5X, NA=0.15, WD=19.5mm
A75MUM		Bright Field Semi-Apochromatic Metallurgical Objectives 10X, NA=0.30, WD=10.9mm
A76MUM		Bright Field Semi-Apochromatic Metallurgical Objectives 20X, NA=0.50, WD=3.2mm
A77MUM		Bright Field Semi-Apochromatic Metallurgical Objectives 50X, NA=0.80, WD=1.2mm
A78MUM	Nosepiece (with DIC slot)	Bright & Dark Sextuple Nosepiece
A79MUM	Frame	Bright Field Sextuple Nosepiece
A80MUM		Reflected body, coaxial coarse and fine adjustment, coarse adjustment distance: 25mm; Fine precision: 0.001mm. With coarse adjustment stop and tightness adjustment
A81MUM	Fixed polarizer, fixed analyzer, 360° rotatable analyzer	
A82MUM	DIC attachment	
A83MUM	Interference filters for reflected light	
A84MUM	High precision micrometer, scale value 0.01mm	



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