

Metallurgical Microscope

ME-LUX2 Series UPRIGHT Type

VARIATIONS

- Model ME-LUX2-2
(Binocular type, Koehler type
incident illumination)
- Model ME-LUX2-3C
(Trinocular type with C-mount adapter tube
to accept video and digital camera,
Koehler type incident illumination)
- Model ME-LUX2-3P
(Trinocular type with vertical photo tube
to accept photography attachment,
Koehler type incident illumination)
- Model ME-LUX2-2L/3CL/3PL
(As same as above but with Koehler type
incident and transmitted dual illumination)

FEATURES:

- Rigid and reliable construction,
- Wide range of materials applications,
- High resolution optics,
- Attractive pricing for a high quality microscope,
- Simple operation for routine studies,

APPLICATIONS:

- General work in the metallurgical laboratory,
- Quality control and inspection,
- Electronic and semiconductor circuits ,
- Examination of polymer, paints and coatings,
- Chemical industry materials examination,



■ Model ME-LUX2-3PL

By the ideal combination of the top quality optical components and the precisely finished mechanical systems, ME-LUX2 series Metallurgical Microscope offers a solid investment to generate bulk and immediate value, which is secured by KYOWA's long technical experience accumulated in over 60 years.

SPECIFICATIONS

Mechanical tube length		160mm	
Right angled sturdy construction		Right angled sturdy construction,	
Nosepiece		Quintuple revolving type with ball bearing function	
Focusing adjustment		Coaxial coarse and fine adjustment, with focus range by 30mm for both coarse and fine adjustment, per a rotation of fine adjustment by 1mm with graduation of 100 divisions,(0.01mm)	
Mechanical stage	ME-LUX2	Rectangular stage with 185mm × 140mm surface with graduated low positioned coaxial control knob to slide stage plate in X and Y axis, with movable range by 52mm × 77mm,	
	ME-LUX2-L	- Ditto – but with 160mm × 140mm surface, with movable range by 50mm × 75mm	
Condenser for ME-LUX2-2L, 3PL and 3CL		Abbe type N.A. 1.25 condenser with iris diaphragm and filter holder, focused rack &pinion	
Head	For ME-LUX2-2	Inclined 45° binocular head, with interpupillary distance adjustment from 54mm to 74mm and diopter adjustment ring on both left and right eyepiece sleeve,	
	For ME-LUX2-3P	- Ditto - but with built-in beam splitter to divide optical path for 100% to binocular and 0% to photo tube, or 80% to binocular and 20% to photo tube, and with vertical photo tube to accept photomicrography attachment,	
	For ME-LUX2-3C	- Ditto - but with vertical C-mount adapter tube to accept C-mount video camera instead of vertical photo tube,	
Illuminator	For ME-LUX2-2/3C/3P	Built-in incident illuminator with 6V/20W halogen lamp with transformer and variable intensity control built-in base, Field and aperture diaphragms for Koehler type illumination with filter slot,	
	For ME-LUX2-L	- Ditto - but built-in incident and transmitted dual illumination,	
Optical Components		Eyepiece	Widefield and high eye-point eyepiece, WHE10 × paired,
		Objectives	Parfocal Din type Planachromat metallurgical objectives with special multi-layer coating for high resolution to increase clear contrast, M·Plan 5 ×, 10 ×, 20 × ,40 × (Spring),
		Magnification	From 50 × to 400 × ,
Standard Accessories		Green and yellow filters (each 1 pc.) Daylight blue filter, 32.8mm ϕ Dust cover, Spare bulb, 6V/20W halogen for incident and transmitted,	

Optional Accessories	Eyepiece, WH15 ×, widefield and high eye-point type, Eyepiece, K20 ×, compensation type, Objective, M-Plan60×, planachromat Din type, spring mount, Objective, M-Plan100×, planachromat Din type, spring mount, Wooden carrying case with handle, lock and keys,
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Technical Data of optical components			
Eyepieces	Field No.	Eye Point	Focal Length
WHE 10	18.0	20.0	25.0
WH 15	14.0	14.0	16.7
K20	8.0	11.0	12.5

Technical Data of optical components			
Objectives	N.A.	W.D	Remark
M-Plan 5 ×	0.10	16.5	
M-Plan 10 ×	0.25	7.5	
M-Plan 20 ×	0.40	8	
M-Plan 40 ×	0.65	0.6	Spring
M-Plan 60 ×	0.85	0.2	Spring
M-Plan 100 ×	0.80	0.5	Spring, Dry,

●All specifications subject to change without prior notice.