Rev: 01



Model:
ML214 - 630-1558

Typology:
ROUTINE MICROSCOPE

Description:
Educational and laboratory microscope for routine applications.
Dye-cast frame, with high stability and ergonomy, for transmitted light observation.

Illumination	Light source type P-LED with white LED; light intensity control using a knob on left side of the frame. LED power 3W, comparable to an halogen bulb 30-35W. Color temperature: 6300 K LED average life time approx. 50.000h. Voltage: external power supply 100/240Vac, 50/60Hz, output: 6V Max power required: 7W
Observation Modes	Brightfield
Focusing	Coaxial coarse and fine focusing mechanism (graduated, 0.002mm) with upper stop, to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob.
Stage	Double layer with mechanical sliding stage, size 125x115mm, X-Y movement range 76x30, specimen holder for one slide. Vernier scale on the two axes, accuracy 0,1 mm.
Nosepiece	Quadruple revolving nosepiece, rotation on ball bearings.
Head	Monocular observation head, inclined 30° and rotatable 360°.
Eyepieces	Wide field eyepieces WF10X/18 with field number 18.
Objectives	Achromatic objectives with mechanical tube lenght 160 mm, made by following objectives: -) Achromatic DIN 4X, A.N. 0.10, W.D. 18 mm -) Achromatic DIN 10X, A.N. 0.25, W.D. 7 mm -) Achromatic DIN 40X, A.N. 0.65, W.D. 0,53 mm -) Achromatic DIN 60X, A.N. 0,85, W.D. 0,45 mm All objectives are treated with an anti-fungus treatment.
Condenser	Abbe condenser, N.A. 1,25 precentered
Dimensions	HEIGHT: 370 mm WIDHT: 235 mm DEPTH: 290 mm WEIGHT: 6,5 kg
Accessories	Instruction manual and dust cover included