



Model:
XDS-2

Typology:
INVERTED RESEARCH MICROSCOPE

Description

*Laboratory inverted microscope for routine and research applications.
Dye-cast frame, with high stability and ergonomy, for transmitted light observation.*

| | |
|--------------------------|--|
| Illumination | Light source type X-LED8 with white 8W LED; light intensity control using a knob on front side of the frame. Color temperature: 6300K LED average life time approx. 50.000h Voltage: 110/240Vac, 50/60Hz, 1A ; Fuse: T500mA 250V Max power required: 13W |
| Observation Modes | Brightfield, phase contrast. |
| 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 | Fixed stage, dimensions 250x230 mm. Mechanical stage mountable on the right side of the stage, X-Y translation range 119x70 mm, with metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates, etc. Pair of side extensions to expand the surface of the stage . Glass stage insert with hole for small dimension specimens. |
| Nosepiece | Quintuple revolving nosepiece, rotation on ball bearings. |
| Head | Trinocular observation head, inclined 30° and rotatable 360°. Diopter adjustment on left eyepiece. Interpupillary adjustment 55-75 mm. Splitting ratios (eyepieces-photo tube): 100-0 / 50-50 |
| Eyepieces | Wide field eyepieces EWF10X/22 with field number 22. |
| Objectives | Infinity corrected optical system IOS (Infinity Optical System). Plan-achromatic LWD objectives infinity corrected, for thickness 1,2 mm, made by following objectives: -) Plan-achromatic IOS LWD 4X, N.A. 0.10, W.D. 18,0 mm -) Plan-achromatic IOS LWD 10XPh, N.A. 0.25, W.D. 10,0 mm -) Plan-achromatic IOS LWD 20XPh, N.A. 0.40, W.D. 5,1 mm -) Plan-achromatic IOS LWD 40X, N.A. 0,65, W.D. 2,6 mm All objectives are treated with an anti-fungus treatment. |
| Condenser | LWD condenser, N.A. 0.30, working distance 72 mm. The condenser can be removed to extend the working distance up to 150 mm. Precentered slider with phase ring 10X/20X. |
| Dimensions | HEIGHT: 473 mm WIDTH: 250 mm DEPTH: 515 mm WEIGHT: 9 kg |
| Accessories | Instruction manual and dust cover included |