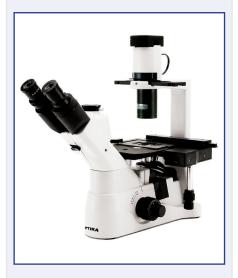
## XDS-3

#### EN

# ΟΡΤΙΚΑ

Rev: 03



Model: XDS-3

Typology:

## INVERTED RESEARCH MICROSCOPE

### **Description:**

Laboratory inverted microscope for 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 left side of the frame.<br>Color temperature: 6300K<br>LED average life time approx. 50.000h<br>Voltage: 110/240Vac, 50/60Hz, 1A ; Fuse: T500mA 250V<br>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.<br>Adjustable tension of coarse focusing knob.   |
| Stage             | Fixed stage, dimensions 250x230 mm.<br>Mechanical stage mountable on the right side of the stage, X-Y translation range 120x80 mm, with metallic<br>interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates, etc.<br>Pair of side extensions to expand the surface of the stage.<br>Glass stage insert with hole for small dimension specimens.  |
| Nosepiece         | Quintuple revolving nosepiece, rotation on ball bearings.  |
| Head              | Trinocular observation head, inclined 45°.<br>Diopter adjustment on left eyepiece.<br>Interpupillary adjustment 55-75 mm.<br>Splitting ratios (eyepieces-photo tube): 100-0 / 20-80  |
| Eyepieces         | Wide field eyepieces WF10X/22 with field number 22.  |
| Objectives        | Infinity corrected optical system IOS (Infinity Optical System).<br>Plan-achromatic LWD objectives infinity corrected, for thickness 1.2 mm, made by following objectives:<br>-) Plan-achromatic IOS LWD 10XPh, N.A. 0.25, W.D. 7.94 mm<br>-) Plan-achromatic IOS LWD 20XPh, N.A. 0.40, W.D. 7.66 mm<br>-) Plan-achromatic IOS LWD 40XPh, N.A. 0.60, W.D. 3.71 mm<br>All objectives are treated with an anti-fungus treatment. |
| Condenser         | LWD condenser, N.A. 0.30, working distance 72 mm.<br>The condenser can be removed to extend the working distance up to 150 mm.<br>Precentered slider with phase rings 4X/10X and 20X/40X   |
| Dimensions        | HEIGHT: 485 mm   WIDTH: 300 mm   DEPTH: 550 mm   WEIGHT: 9 kg  |
|                   | Hard case, instruction manual and dust cover included.   |



