COMECTA Microscope biological inverted, trinocular "XDS-1B LED"

ISO 9001

APPLICATIONS

Optical microscope with many benefits, specially designed for biomedicine, biology and for culture analysis in matrix flasks and in microtitre plates, flasks, culture vessels, tubes etc. through the use of its objectives and long working distance condenser, technique uses brightfield or phase contrast.

FEATURES

Robust stable design with lateral arm wrist supports for maximum comfort and easy manipulation.

Trinocular head, inclined 45°.
Interpupillary distance adjustable from 53 to 77 mm.
Diopter correction of ±5dp in the left eyepiece, used to correct differences in sharpness.

Pair of DIN wide field **WF 10x** (22 Ø), telescopic central eyepiece phase contrast DZ11x DZ11x and trinocular photography eyepiece **S 5x** (9.5 Ø).

Objectives DIN planachromatic brightfield,long working distance LWD PL of 10x (A.N. 0.25/working distance W.D.=4.3 mm), **20x** (A.N. 0.40/W.D.=8 mm), **40x** (A.N. 0.40/W.D.=3 mm) and on **negative phase contrast LWD PL ph of 10x** (A.N. 0.25/W.D.=5 mm), colour coded for rapid identification.
Maximum thickness acceptable for receptacle bases 1.2 mm.

Quadruple objectives turret with rotation in both directions with a roller baring and notch stop. Rack and pinion height adjustment mechanism with bilateral coaxial focus controls: **micrometer** of 0.2 mm rotation graduated at 0.002 mm increments and **macrometer** with adjustable tension.
Total working distance 12 mm.

Condenser with long working distance (55 mm), brightfield and phase contrast. Precentred, with iris diaphragm and flip out phase contrast. **Including a phase ring of 25x**. Rack and pinions mechanism for height regulation or lateral removal for more height receptacles of up to 145 mm.

Large stage: dimensions 227x208 mm. Includes 3 stages for optimum accommodation of differing sample vessels: plates and or culture flasks, microtitre plates, etc.

Mechanical sub-stage with graduated scale of 1 mm and vernier of 0.1 mm, made up of a smooth mechanism (x-y) rack and pinion drive with 77 mm longitudinal and 114 mm transversal.

Illumination system, diascopic transmitted light by a halogen lamp of 6 V / 20W, precentred by external knobs and controllable intensity.
The unit includes a field diaphragm with filter carousel of green and grey.

MODEL	Part No.	Height / Width / Depth exterior cm			Weight Kg
XDS-1B LED	5901988	58	30	53	17



Supplied with protective cover and 1 spare fuse in the fuseholder

ACCESSORIES

Objectives planachromatic long working distance Negative phase contrast:
Objective PLL ph 20x
(A.N. 0.40 W.D.=8 mm)
Part No. 5313065
Objective PLL ph 40x
(A.N. 0.60 W.D.=3,5 mm)
Part No. 5313066
Adapter thread CCD 0.5 x
Part No. 5313067
Adapter thread 1 x
Part No. 5313068
Eyepiece WF10x (22 mm)
With reticule Part No. 5313064

5313065 *5313066*





5313064

Digital reflex photographic kit, composed of a mount, a shutter and a SD memory card of 2Gb.
Part No. 5313222



5313222

SPARES

3W LED lamp. Part No. 5313029