



Microscopes "3000-A and 3000-B"

EXCELLENT RESOLUTION PLANACHROMATIC OPTICS. HIGH SPECIFICATION OPTICAL MICROSCOPES. MAXIMUM VERSATILITY WITH A WIDE RANGE OF CONFIGURATIONS, MODELS SHOWN ARE BINOCULAR AND TRINOCULAR WITH PHASE CONTRAST AND BRIGHT AND DARK FIELD OPTICS, THIS INSTRUMENT IS IDEAL FOR A WIDE RANGE OF APPLICATIONS.

Optics Anti mould / Anti fungal

APPLICATIONS

Biology, bacteriology, cytology, immunology, diagnostics, pathology, agriculture, industry and university laboratories.

MODELS 3000-A (BINOCULAR) AND 3000-B (TRIOULAR).

FEATURES

Head, binocular or trinocular (model dependant), inclined at 30° with 360° rotation.

Interpupillary distance adjustable from 53 to 75 mm.

Dioptric adjustment of ± 5 dp in the left eyepiece, to compensate for any visual differences.

Pair of DIN eyepieces wide field of view **WF 10x** (20 mm \emptyset).

DIN objectives, planachromatic bright field of 4x (A.N. 0.10), 10x (A.N. 0.25), 40x (A.N. 0.65) retractable and 100x (A.N. 1.25) oil immersion retractable, colour coded for rapid identification.

The planachromatic objectives provide an excellent image to the edge of the optical field of view.

Quadruple revolving objectives turret, rotates in both directions with spring ball stop locator when in the correct position.

Large substage of 210x140 mm, rack and pinion adjustable height. Coaxial focus using controls located on both sides, graduated **micrometer** in steps of 0.002 mm and **macrometer** with adjustable tension of up to 30 mm.

Safety stop with present adjustment.

Adjustable slide holder with a graduated scale of 0.1 mm, made up of a smooth (X-Y) rack and pinion mechanism, **longitudinal** and **transversal** movement 50 mm and 75 mm.

Abbe condenser of 1.25 A.N. precentred, with double lens, iris diaphragm and retractable from the front. Adjustable height using a rack and pinion mechanism.

The Abbe condenser can be easily replaced for special applications with a phase contrast condenser or a darkfield condenser (see accessories).

Illumination, diascope Köhler that is formed of a condenser lens, viewing diaphragm removable filters and a precentred, low voltage, adjustable intensity halogen lamp 6V/20W.

Robust stable structure that includes the illumination system in the base, adjustable intensity potentiometer and On/Off switch.

Dimensions: 410 Height x 200 Width x 310 mm Depth.

Microscope Binocular Part No. 3000-A. Part No. 5901991

Microscope Trinocular Part No. 3000-B. Part No. 5901992



Model "3000-B". Part No. 5901992.

MODEL 3000-C PLAN PHASE CONTRAST - BINOCULAR.

FEATURES

Similar characteristics to the model 3000-A except for a special configuration of **Plan Phase Contrast objectives**:

The objectives, **DIN quality, are planachromatic with positive phase contrast** of 10x (A.N. 0.25), 25x (A.N. 0.4) 40x (A.N. 0.65) retractable and 100x (A.N. 1.25) retractable and oil immersion.

The condenser is a phase turret A.N. 1.25, with central telescope and a set of white, blue and green filters. With sharp detail for examination of transparent thin sections that can differentiate the refraction index that the human eye cannot differentiate. Excellent for applications in biology, medicine, crystallography, agriculture, industrial plastics and rubber etc.

Microscope Binocular model 3000-C. Part No. 5901993

MODELS	Part No.	Head	Eyepieces	Objectives	Technique	Illumination	Weight kg
3000-A	5901991	Binocular		Planachromatic (PL) 4x - 10x - 40x - 100x	Brightfield	Transmitted	8.4
3000-B	5901992	Trinocular	WF 10x				8.7
3000-C	5901993	Binocular	(20 \emptyset)	Planachromatic (PL) phase contrast 4x - 25x - 40x - 100x	Phase contrast	halogen	8.4

Comes complete with a set of blue, green and white filters, bottle of immersion oil η D 1.515, spare lamp, fuse and a dust cover.