

VELAB™



VE-PH300

Phase Contrast Microscope

The VE-PH300 phase contrast microscope was designed for professional use that allows immediate exams. It is used in biological areas for the observation of fresh samples without the need of applying stains that can damage their structure. Used in the observation of cells and tissue, fresh blood analysis, quantification of microorganisms and parasites in fluids and tissues. Applicable in biological areas such as physiology, pathology, pharmacology and medicine. It has 4 phase rings and an observation position for a clear field. It has excellent optical quality components and highly efficient LED illumination.

Velab, Co.

USA

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SPECIFICATIONS

EYEPIECES

PL 10X/20 mm with rubber eyecups and ± 5 mm diopter adjustment in both eyepieces.

HEAD

Binocular Siedentopf type, 30° inclined with interpupillary distance adjustment between 50 – 75 mm /1.96" - 2.95", fluorescence illuminator adapter with bright field position.

NOSEPIECE

Quadruple nosepiece with anti-slip ring and click-stops, mounted on high-tension ball bearings.

OBJECTIVES

10X, 20X, 40X (S) and 100X (S) (oil) for phase contrast, with infinity corrected plan achromatic optics and color ring for easy identification.

STAND

Stative, robust and reinforced with epoxy paint finish.

STAGE

Two-Layer stage with X-Y coaxial movement, 5.90" x 5.51", vernier, millimeter scale (3.46" x 2.36"), clamp and height adjustment with stop.

CONDENSER

Abbe, N.A. 1.25, with height adjustment screw and groove for lamellas placement for phase contrast; two included lamellas, 10X/40X and 20X/100X with a third option for bright-field in both.

DIAPHRAGM

Iris with filter holder.

FOCUSING

Coarse and fine anti-slip control knob with 0.001 mm precision, 200 graduations per micrometer turn (0.2 mm) and tension adjustment.

ILUMINATION

3W Kohler LED with field diaphragm in the lamp and epi-fluorescence LED at 470 nm (optional for 365, 455 and 560 nm), 6V / 3W, with intensity control in both lamps.

POWER SUPPLY

110-240V, 50/60 Hz, AC Adapter.

ACCESSORIES INCLUDED

2 Allen wrenches.
Dust cover.
Eyepiece centering telescope.
Immersion oil.
Operation manual.
Power cord.
0X/40X and 20X/100X lamellas for phase contrast.

ACCESSORIES NOT INCLUDED

Simple polarization set.
Dark field set.
LED fluorescence illuminator.

