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ECLIPSE E400

Clinical Microscope

A Microscope with Superior Ergonomic Design

User Comfort is Built Right In

- In line focus and stage controls are ergonomically positioned to allow a natural sitting posture for comfort and convenience during long periods of use.
- Compact and comfortable, the stable body design provides less vibration thereby minimizing user fatigue.
- Ergonomic binocular tube allows adjustment of eyepiece tube tilt angle and eyepiece length to suit any range of individual operators.

Unmatched Optical Quality

- CFI60 optics deliver excellent optical performance in all magnifications along with high resolution and contrast, chromatic aberration free correction (CF), and top transmission rates.
- Allows the use of multiple observation techniques including brightfield, darkfield, epi-fluorescence and phase contrast.
- Bright illumination from the standard 6V/30W precentered lamp.

Other Versatile and Flexible Features

- Low profile stage height is approximately 20mm lower than conventional models, facilitating smooth nosepiece rotation and ease of specimen handling.
- 5 position, reversed nosepiece.
- Accommodates various attachments such as epi-fluorescence, dual head and multiple head teaching systems without compromising optical performance and stability.

SPECIFICATIONS

Magnification	10 – 1500X for observation 2 – 500X for 35mm photomicrography
Optical system	CFI60 (infinity optical system) Parfocal distance: 60mm
Eyepiece tube	Binocular tube Trinocular tube "F", UW Trinocular tube "T", UW Ergonomic binocular tube Siedentopf type (interpupilary distance: 50 – 75mm) Eyelevel can be adjusted by eyelevel riser (thickness of 1 piece: 25mm)
Eyepiece	10X (F.O.V.: 22mm), 10X M photo mask (F.O.V.: 22mm), 12.5X (F.O.V.: 16mm), 15X (F.O.V.: 14.5mm), UW 10X (F.O.V.: 25mm), UW 10X M photo mask (F.O.V.: 25mm)
Photo lens	PLI projection lens: 2X, 2.5X, 4X, 5X
Nosepiece	Quintuple nosepiece fixed to main body
Coarse/ fine focusing	Fine: 0.1mm per rotation, Coarse: 12.7mm per rotation Minimum reading: 1 micron on left side knob Coarse motion torque adjustable; Refocusing stopper incorporated; Stage handle and focusing knob are at equal distance from the operator
Stage	Super hard coated surface Rectangular 160.5mm x 208.5mm surface stage, 78mm x 54mm cross travel range using low-positioned coaxial X and Y motion control knob on right-hand side
Substage	Fixed on main body; Vertical movement: 30mm
Illumination	6V 30W halogen lamp, precentered and prefocused; Auto photo preset switch
Filter	Up to 2 optional filters (dia. 45mm) mountable on field lens unit; Diffuser incorporated
Intermediate	Epi-fluorescence illuminator (4 filter blocks mountable); Double port (2 ways: 100/0, 55/45); Teaching head; Drawing tube

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. January 2000.

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