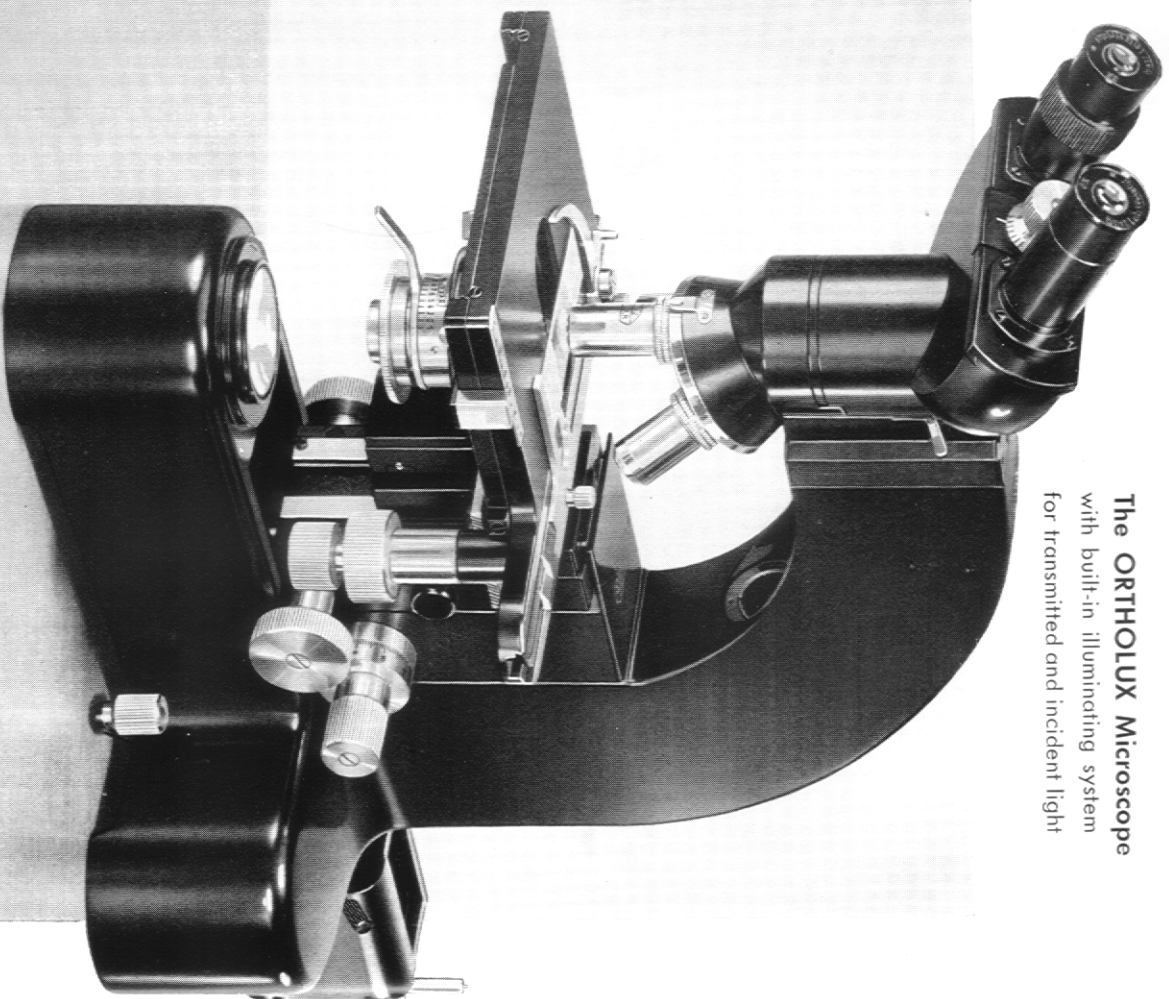


The ORTHOLUX Microscope with built-in illuminating system for transmitted and incident light



ERNST LEITZ GMBH WETZLAR

3350

ORTHOLUX research microscope with built-in illumination (6 volts 5 amps), binocular body tube, quadruple objective nosepiece, large mechanical stage and substage No. 78 with two-diaphragm-condenser.

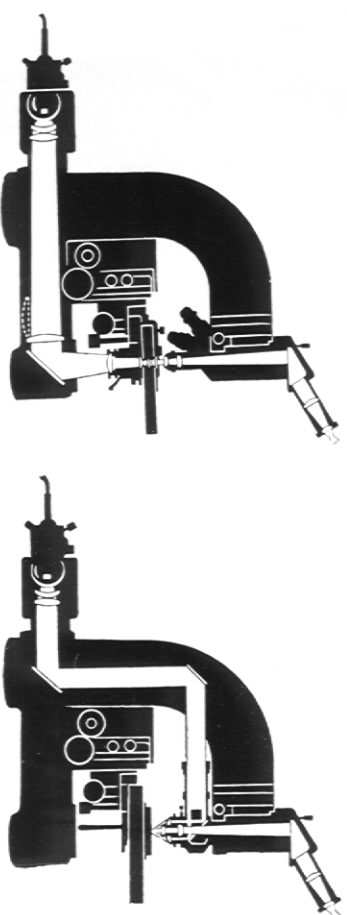
The ORTHOLUX large research microscope with built-in illuminating system for examinations in transmitted light and incident light surpasses all other instruments by reason of its versatility and utmost ease of manipulation ensured in all fields of application.

Its special features include the modern design of the large and rigid stand with built-in illuminating system, the low-set operating heads for coarse and fine adjustment, the practical, easily accessible and adjustable object stage, the automatic specimen protection, and the interchangeability of body tubes and of the revolving nosepiece. The permanent centration of the illumination ensures that the microscope is always ready for immediate use, and is particularly advantageous for dark field examinations, for phase contrast microscopy, and for photomicrography.

Specification: Large and sturdy light alloy stand cast in a single piece; rack and pinion and micrometer fine adjustment with graduation, 1 interval = 0.001 mm., both mounted on ball bearings and actuating the object stage with controls on both sides; interchangeable monocular and binocular body tubes for observation and photography; interchangeable revolving objective nosepiece; object stages in various designs; substage with rack and pinion for vertical adjustment of the condenser; horizontal condenser changing slide; all bright and dark field condensers may be used, also LEITZ phase contrast equipment; built-in illumination with high-intensity low voltage filament lamp (6 volts 5 amps); objectives and eyepieces according to choice.

Special equipment ORTHOLUX-Pol for examinations and measurements in polarized light in biology and technological work.

A detailed description is given in catalogue No. 7980.



Path of rays in the ORTHOLUX microscope.

Left: transmitted light. Right: incident light.