Leica DM EP

The Microscope for Teaching and Research

- **Advanced performance in a teaching polarizing microscope:**
  - Standard and advanced conoscopy modules
  - Polarizer with notch markings
  - 4-position objective turret, centerable
  - Sturdy, compact design
- **Convenience that makes work easy:**
  - Easy-to-access control functions
  - Ergonomic viewing angle
  - Accurate angular measurement with verniers on the rotating stage

Developed for college teaching and research use: the Leica DM EP.

Accurate and versatile for teaching

The Leica DM EP is the ideal polarizing microscope for university and other instructional use, offering a standard and an advanced Bertrand lens module for unsurpassed ease of operation. With a wide range of accessories and Leica's renowned optics, the Leica DM EP is exceptional not only for its compact, durable design, but also for its efficiency and ease of operation.

Designed for optical brilliance and long life illumination

The standard Köhler field diaphragm and magnetically fixed blue filter provide vivid, pin-sharp images. The 2,000-hour, 35-watt halogen lamp saves hundreds of dollars in replacement bulb cost over the life of the microscope. An illuminated intensity control system reminds the user to switch off the lamp after finishing work to increase the lamp's service life and save energy.

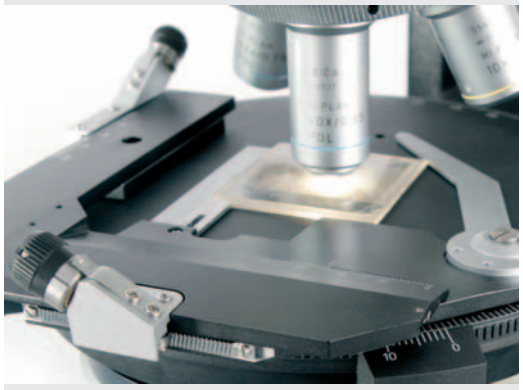
Maximum ease of use and high optical brilliance are the outstanding features of the Leica DM EP.

Modular, Customized Configurations – Microscopes Designed for You

- **Flexibility that gives the freedom you need:**
  – Wide selection of POL objectives

- **Compatibility that knows no bounds:**
  – Fully compatible components across Leica's polarizing microscope product line
  – Wide selection of analyzers, polarizers, and compensators
  – Full wave & quarter wave plates are available
  – Wide selection of POL observation tubes

The result of combining maximum precision and optimum ergonomic design – the 360° analyzer.



Flexibility is key. All of Leica's rotating stage polarizing microscopes feature attachable, interchangeable mechanical stages.

Flexibility – Designed for you

Flexible to the last detail. All Leica polarizing microscope components can be configured for all microscopes in the polarizing line. For example, you can choose from over twenty POL objectives for the Leica DM4500 P, DM2500 P or DM EP. The optical possibilities are unlimited. You will enjoy the benefits provided by this complete system when using the new 360° analyzer, the 360° polarizer or even with full wave plates. All components can be used for classroom teaching, everyday routine work, and research.

Leica's entire line of DIN standard compensators can be used in all Leica polarizing microscopes, as can the attachable mechanical stage for accurate sample positioning. This always ensures flexible interchange and replacement of parts.

Technical Data

	Leica DM EP	Leica DM2500 P	Leica DM4500 P
• **Objective turret**	4x (M25), centerable	5x (M25), centerable	6x (M25), centerable, absolute encoded
• **Objectives**	HI Plan POL N Plan POL Immersion objectives	HI Plan POL N Plan POL PL Fluotar POL Immersion objectives	HI Plan POL N Plan POL PL Fluotar POL Immersion objectives
• **Usable field of view**	20 mm	25 mm	25 mm
• **Contrast method** **Changeover** **Color reproduction**	Manual	Manual	Motorized CCIC: Constant Color Intensity Control
Transmitted light	Polarization contrast Orthoscopy Conoscopy Brightfield Phase contrast Darkfield	Polarization contrast Orthoscopy Conoscopy Brightfield Phase contrast DIC Darkfield	Polarization contrast Orthoscopy Conoscopy Brightfield Phase contrast DIC Darkfield
Incident light	Polarization contrast Brightfield	Polarization contrast Brightfield Darkfield* DIC Fluorescence	Polarization contrast Brightfield Darkfield* DIC Fluorescence
• **Conoscopy**	Bertrand lens cube in new IL axis Bertrand lens module (AB module) Advanced conoscopy module	Bertrand lens cube Bertrand lens module (AB module) Advanced conoscopy module	Fully integrated conoscopy beam path User guidance with display feedback
• **Transmitted light axis** **Illumination** **Operation**	12 V 35 W halogen lamp Manual User guidance with CDA	12 V 100 W halogen lamp Manual User guidance with CDA	12 V 100 W halogen lamp Motorized Integrated illumination manager
• **Incident light axis**	Manual User guidance with CDA	Manual User guidance with CDA	Motorized Integrated illumination manager, round and rectangular field diaphragms for ocular or camera observation
• **Condensers**	Manual changeover User guidance with CDA	Manual changeover User guidance with CDA	Motorized changeover of condenser head, 7x condenser disc, polarizer
• **Focus drive**	Manual, 2-gear gearbox	Manual, height-adjustable, Focus stop, 2 or 3-gear gearbox	Manual, 2-gear gearbox

* on request