

From Eye to Insight



POWER UP ROUTINES WITH EFFICIENCY AND COMFORT

Visoria P polarization microscope

The Vistoria P polarization microscope is for users studying the optical properties of anisotropic materials and geological samples.

UPGRADE YOUR CURRENT MICROSCOPE

If you already have a DM2500, DM2700 M, or DM2700 P upright microscope, you can upgrade to a Vistoria stand without paying the full price of an entirely new microscope. This means you will not need a new stage, objectives, filters, tubes or eyepieces - your current components are fully compatible with Vistoria.

The Vistoria stand is available in either a traditional (eyepieces) or digital configuration.

Your advantages with a Vistoria stand:

- > Save time with optimized light settings. The light management function automatically adjusts brightness when changing magnification or contrast methods.
- > Operate your microscope with ease – With color-coding quickly match the proper aperture diaphragm and objective, a built-in focus stop helps protect specimens and objectives, and a three-gear system enables finer focusing at higher magnification.
- > Reduce the risk of discomfort and repetitive strain injury when spending long hours at the microscope, you can minimize repetitive movements with the Vistoria series by adjusting the height and torque of the stage control.
- > The knobs for controlling the XY stage position and focus of the Vistoria microscope(s) are in close proximity and easily adjustable with one hand.
- > The microscope can be easily changed between right- and left-handed operation. Especially beneficial when the microscope is shared with other users.
- > Simplify your documentation. Image capture with the press of a button and system settings automatically stored with images.

Powered by Enersight software

The Enersight software platform helps you compare, measure, and share seamlessly with a single intuitive interface.

- > Observe samples with a larger field of view and higher resolution using the 2D Stitching function.
- > Acquire sharp images of samples with extended depth of field (EDOF).
- > Choose your optimal illumination and camera parameters with the Best Image function.
- > Determine the thickness of coatings using the layer thickness measurement function.



Specifications Visoria P

Microscope	
Size and weight	Length: 410 mm, width: 331 mm, height: 505 mm, approx. 18 kg (depending on configuration)
Stand	Illumination toggle buttons with status indicator, image capture button, antimicrobial surface with AgTreat (ISO 22196)
Optics	
Nosepiece	Encoded 5x (M25), centerable
Eyepieces (FOV)	20 / 22 / 25 mm
Tubes	Phototubes 50 / 50 with fixed port, 100 / 50 / 0 with fixed port, 100 / 50 / 0 with variable port
Digital version	Digital version with 10" screen / tablet
Ergonomic accessories	Wide range of ergonomic accessories available (ErgoTubes, ErgoLift, ErgoModules)
Encoded illumination management	IL and TL: High-power white LED, encoded 4-color fluorescence illumination, further external light sources on request (non-encoded)
Incident light axis	Manual encoded, 4-fold filter turret, color-coded diaphragm assistant; field and aperture diaphragm, slots for analyzer / polarizer, two filter positions
Fluorescence light axis	Optional
Incident light (IL)	Methods: Brightfield (with BF cube or Smith reflector), DIC, fluorescence, oblique illumination, qualitative and quantitative polarization
Transmitted light axis	Manual, fixed and flip-top condenser operation with color-coded diaphragm assistant
Transmitted light (TL)	Methods: Brightfield, darkfield, phase contrast, DIC, qualitative and quantitative polarization
Operation	360° rotatable polarization stage with verniers and brake, 360° rotatable polarization stage with verniers, 45° clickstop position and brake. Stages are exchangeable and height adjustable. Further stages on request.
Stage	Scanning stage 75 x 50 mm, additional manual xy stages available, stage bracket for adaptation of 3rd party stages, bject clamps, sample holder without point counting, sample holder with point counting
Focus drive	Height-adjustable focus knobs, 19 mm travel range, maximum 28 mm total stage stroke depending on stage and condenser type, 2-gear focus drive (coarse / fine) with 1 mm scale, 3-gear focus drive (coarse / medium / fine) with 140, 4 and 1 µm scale, torque adjustment, and adjustable upper focus stop
Accessories	
Conoscopy	Bertrand lens cube, Bertrand lens module (A/B module), advanced conoscopy module (focusable)
Analyzer	Fixed, 180°, 360°
Polarizer	Fixed, 0 / 45 / 90°, 90° with rotatable lambda plate, 360°, fixed with lambda plate
Compensators	Tilting compensators up to 5 or 30 orders, quartz wedge, lambda and 1/4 lambda plate
General specifications	
Supply voltage	100–240 V AC, 50 / 60 Hz, power consumption max. 15 W
Ambient conditions	15–35°C, relative humidity max. 80% up to 30°C (non-condensing)

CONNECT
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