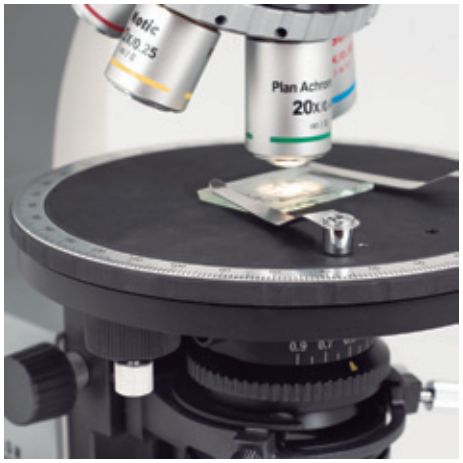
Specification
Sheet

Motic®
MORE THAN MICROSCOPY

PANTHERA TEC POL Series

PANTHERA TEC POL EPI DIGITAL



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Optical system	Colour Corrected Infinity Optical System (CCIS®)
Observation tube	Binocular head, Siedentopf type with built-in digital camera
Sensor type	CMOS
Sensor size	1/2.5"
Capture resolution	5MP (2592x1944 pixels)
Live display mode through Wi-Fi	1920x1080 (Full HD)
Live display mode through ethernet	1280x720, 1920x1080 pixels (Full HD)
Live display mode through HDMI	1920x1080 (Full HD)
Data transfer	Wi-Fi, HDMI, Ethernet
Inclination	25° inclined
Interpupillary distance	48-75mm
Diopter adjustment	On both eyepieces, +/- 4 diopter
Eyepieces	Widefield UC-WF10X/20mm with diopter adjustment
Intermediate Body	Epi-illuminator LED with rotatable analyzer 360°, Bertrand lens, fixed polarizer and slot for compensators
Nosepiece	Reversed quintuple, coded with single centering holes
Objective classification	CCIS® LD Plan Achromatic & UC Plan (strain-free), DIN
Objectives	5X/0.13 (WD 17.3mm), 10X/0.25 (WD 16.3mm), 20X/0.40 (WD 7.3mm), UC 40X/0.65/S (WD 0.6mm)
Objective mounting thread	W 4/5"x1/36" (RMS standard)
Stand type	Upright
Stage	Circular rotating 360°, lockable
Stage size	Ø160mm
Travel range X&Y	1° increments, 0,1° vernier scale
Condenser	Focusable and centerable Achromat Swing-out Abbe condenser N.A. 0.90/0.13 (strain-free) and rotatable polarizer
Diaphragm	Iris diaphragm
Focus mechanism	Coaxial coarse and fine focusing system with tension adjustment
Fine focus precision	2µm
Focusing stroke	25mm
Upper limit stop	Upper limit stop preset but adjustable
Filter holder	On top of the illuminator with fixing cap
Incident illumination	LED 3W with integrated field and aperture diaphragms
Transmitted illumination	Koehler LED 3W & Quartz halogen 6V/30W with intensity control
Illumination interchangeability	Halogen/LED and LED color temperature interchangeability
Illumination features	Motic LightTracer: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicator
Software	ImagingOnDevice System (Panthera App embeded)
Transformer	Internal
Power supply	110-240V (CE)
Other features	USB 2.0 for external Devices (x2)
Accessories included	Dust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension support, HDMI Cable, Wi-Fi USB dongle, calibration slide
Dimensions LxWxH	410x300x450mm
Net weight	10.5kg