



PANTHERA TEC POL Series

PANTHERA TEC POL EPI BINOCULAR









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Observation tube Binocular head, Siedentopf type Interpupillary distance 25° inclined Interpupillary distance 48-75mm Diopter adjustment On both eyspieces, +/- 4 diopter Eyspieces Widefield UC-WF10X/20mm with diopter adjustment Intermediate Body Epi-Illuminator LED with notatable analyzer 360°, Bertrand lens, fixed polarizer and solit for compensators Nosepiece Reversed quintuple, coded with single centering holes Objective classification CCIS® LD Plan Achromatic & UC Plan (strain-free), DIN Objective mounting thread W 4/5'xL/36' (RMS standard) Stade type Gircular 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 Fice focus precision 2µm Fine focus precision	Optical system	Colour Corrected Infinity Optical System (CCIS [®])
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 Objective classification CCIS® LD Plan Achromatic & UC Plan (strain-free), DIN Objective mounting thread W 4/5x1/36' (RMS standard) Stage Stage Ofredue rotating 360°, lockable Stage Stage Ofredue rotating 360°, lockable Stage Stage 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 preset but adjustable		
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 solid for compensators Nosepiece Reversed quintuple, coded with single centering holes Objective classification CCIS® LD Plan Achromatic & UC Plan (strain-free), DIN Objective classification CCIS® LD Plan Achromatic & UC Plan (strain-free), DIN Objective mounting thread W 4/5*x1/36' (RMS standard) Objective mounting thread W 4/5*x1/36' (RMS standard) Stage Circular rotating 360°, lockable Stage Ølfomm 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 Free cus precision 2µm Focus anchanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2µm Focus precision 2µm Focus precision 2µm Focus precision 2µm Focus preci	Inclination	25° inclined
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 solt for compensators Nosepiece Reversed quintuple, coded with single centering holes Objective classification CCIS® LD Plan Achromatic & UC Plan (strain-free), DIN Objective mounting thread W 4/5'x1/36' (RMS standard) Stand type Upright 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 Ficeus mechanism Coaxial coarse and fine focusing system with tension adjustment Filter holder On top of the illuminator with fixing cap Incident illumination LED 3W with integrated field and aperture diaphragms Transmitted illumination Keohler LED 3W & Quartz halogen 6V/30W with intensity control Hine focus precision 2µm Focus mechanism Koaki Legartz halogen 6V/30W with intensity control Hine fillumination LED 3W & Quartz halogen 6V/	Interpupillary distance	48-75mm
Intermediate BodyEpi-illuminator LED with rotatable analyzer 360°, Bertrand lens, fixed polarizer and slot for compensatorsNosepieceReversed quintuple, coded with single centering holesObjective classificationCCIS® LD Plan Achromatic & UC Plan (strain-free), DINObjective mounting threadW 4/5*x1/36 (RMS standard)Stand typeUprightStageCircular rotating 360°, lockableStageØl6OmmTravel range X&Y1° increments, 0,1° vernier scaleCondenserFocusable and centerable Achromat Swing-out Abbe condenser N.A. 0.90/0.13 (strain-free) and rotatable polarizerDiaphragmIris diaphragmFocus mechanismCoaxial coarse and fine focusing system with tension adjustmentFine focus precision2µmFocus grecision2µmIncident illuminationLED 3W & Quartz halogen 6V/30W with intensity controlIlluminationLED 3W & Quartz halogen 6V/30W with intensity controlIlluminationKoehler LED 3W & Quartz halogen 6V/30W with intensity controlIllumination interchangeabilityHalogen/LED and LED color temperature interchangeabilityIllumination featuresUS 2.0 for external camera powerAccessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Diopter adjustment	On both eyepieces, +/- 4 diopter
NosepieceReversed quintuple, coded with single centering holesObjective classificationCCIS® LD Plan Achromatic & UC Plan (strain-free), DINObjectivesSX/0.13 (WD 17.3mm), DX/0.25 (WD 16.3mm), 20X/0.40 (WD 7.3mm), UC 40X/0.65/S (WD 0.6mm)Objective mounting threadW 4/5'x1/36' (RMS standard)Stand typeUprightStageCircular rotating 360°, lockableStage sizeØl60mmTravel range X&Y1° increments, 0.1° vernier scaleCondenserFocusable and centerable Achromat Swing-out Abbe condenser N.A. 0.90/0.13 (strain-free) and rotatable polarizerDiaphragmIris diaphragmFocus mechanismCoaxial coarse and fine focusing system with tension adjustmentFine focus precision2µmFocusing stroke25mmUpper limit stopUpper limit stop preset but adjustableIncident illuminationLED 3W & Quartz halogen GV/30W with intensity controlIllumination interchangeabilityHalogen/LED and LED color temperature interchangeabilityIllumination featuresMolic LightTrace: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicatorTransformerInternalPower supply110-240V (CE)Other featuresUpst cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, lietFerence color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Eyepieces	Widefield UC-WF10X/20mm with diopter adjustment
Objective classificationCCIS® LD Plan Achromatic & UC Plan (strain-free), DINObjectives5X/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 threadW 4/5'x1/36' (RMS standard)Stand typeUprightStageCircular rotating 360°, lockableStage sizeØ160mmTravel range X&Y1° increments, 0,1° vernier scaleCondenserFocusable and centerable Achromat Swing-out Abbe condenser N.A. 0.90/0.13 (strain-free) and rotatable polarizerDiaphragmIris diaphragmFocus mechanismCoaxial coarse and fine focusing system with tension adjustmentFine focus precision2µmPouger limit stopUpper limit stop preset but adjustableFilter holderOn top of the illuminator with fixing capIncident illuminationLED 3W with integrated field and aperture diaphragmsTransmitted illuminationKoeller LED 3W & Quartz halogen GW30W with intensity controlIllumination featuresMotic LightTracer: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicatorTransformerInternalPower supply110-240V (CE)Other featuresUSB 2.0 for external camera powerAccessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Intermediate Body	
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Focusing stroke25mmUpper limit stopUpper limit stop preset but adjustableFilter holderOn top of the illuminator with fixing capIncident illuminationLED 3W with integrated field and aperture diaphragmsTransmitted illuminationKoehler LED 3W & Quartz halogen 6V/30W with intensity controlIllumination interchangeabilityHalogen/LED and LED color temperature interchangeabilityIllumination featuresMotic LightTracer: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicatorTransformerInternalPower supply110-240V (CE)Other featuresUSB 2.0 for external camera powerAccessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Focus mechanism	Coaxial coarse and fine focusing system with tension adjustment
Upper limit stopUpper limit stop preset but adjustableFilter holderOn top of the illuminator with fixing capIncident illuminationLED 3W with integrated field and aperture diaphragmsTransmitted illuminationKoehler LED 3W & Quartz halogen 6V/30W with intensity controlIllumination interchangeabilityHalogen/LED and LED color temperature interchangeabilityIllumination featuresMotic LightTracer: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicatorTransformerInternalPower supply110-240V (CE)Other featuresUSB 2.0 for external camera powerAccessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Fine focus precision	2µm
Filter holderOn top of the illuminator with fixing capIncident illuminationLED 3W with integrated field and aperture diaphragmsTransmitted illuminationKoehler LED 3W & Quartz halogen 6V/30W with intensity controlIllumination interchangeabilityHalogen/LED and LED color temperature interchangeabilityIllumination featuresMotic LightTracer: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicatorTransformerInternalPower supply110-240V (CE)Other featuresUSB 2.0 for external camera powerAccessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Focusing stroke	25mm
Incident illuminationLED 3W with integrated field and aperture diaphragmsTransmitted illuminationKoehler LED 3W & Quartz halogen 6V/30W with intensity controlIllumination interchangeabilityHalogen/LED and LED color temperature interchangeabilityIllumination featuresMotic LightTracer: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicatorTransformerInternalPower supply110-240V (CE)Other featuresUSB 2.0 for external camera powerAccessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Upper limit stop	Upper limit stop preset but adjustable
Transmitted illuminationKoehler LED 3W & Quartz halogen 6V/30W with intensity controlIllumination interchangeabilityHalogen/LED and LED color temperature interchangeabilityIllumination featuresMotic LightTracer: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicatorTransformerInternalPower supply110-240V (CE)Other featuresUSB 2.0 for external camera powerAccessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Filter holder	On top of the illuminator with fixing cap
Illumination interchangeabilityHalogen/LED and LED color temperature interchangeabilityIllumination featuresMotic LightTracer: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicatorTransformerInternalPower supply110-240V (CE)Other featuresUSB 2.0 for external camera powerAccessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Incident illumination	LED 3W with integrated field and aperture diaphragms
Illumination featuresMotic LightTracer: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicatorTransformerInternalPower supply110-240V (CE)Other featuresUSB 2.0 for external camera powerAccessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Transmitted illumination	Koehler LED 3W & Quartz halogen 6V/30W with intensity control
intensity and mode indicatorTransformerInternalPower supply110-240V (CE)Other featuresUSB 2.0 for external camera powerAccessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Illumination interchangeability	Halogen/LED and LED color temperature interchangeability
Power supply110-240V (CE)Other featuresUSB 2.0 for external camera powerAccessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Illumination features	
Other features USB 2.0 for external camera power 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 Dimensions LxWxH 410x300x450mm	Transformer	Internal
Accessories includedDust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension supportDimensions LxWxH410x300x450mm	Power supply	110-240V (CE)
key for nosepiece, interference color chart, screws for metal extension support Dimensions LxWxH 410x300x450mm	Other features	USB 2.0 for external camera power
	Accessories included	
Net weight 10.4kg	Dimensions LxWxH	410x300x450mm
	Net weight	10.4kg