



PANTHERA TEC POL Series

# PANTHERA TEC POL EPI TRINOCULAR





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|                                        |                                                                                                                                                                      |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Optical system</b>                  | Colour Corrected Infinity Optical System (CCIS <sup>®</sup> )                                                                                                        |
| <b>Observation tube</b>                | Trinocular head, Siedentopf type                                                                                                                                     |
| <b>Inclination</b>                     | 25° inclined                                                                                                                                                         |
| <b>Trinocular light split</b>          | Fixed 50:50                                                                                                                                                          |
| <b>Interpupillary distance</b>         | 48-75mm                                                                                                                                                              |
| <b>Diopter adjustment</b>              | On both eyepieces, +/- 4 diopter                                                                                                                                     |
| <b>Eyepieces</b>                       | Widefield UC-WF10X/20mm with diopter adjustment                                                                                                                      |
| <b>Intermediate Body</b>               | Epi-illuminator LED with rotatable analyzer 360°, Bertrand lens, fixed polarizer and slot for compensators                                                           |
| <b>Nosepiece</b>                       | Reversed quintuple, coded with single centering holes                                                                                                                |
| <b>Objective classification</b>        | CCIS <sup>®</sup> LD Plan Achromatic & UC Plan (strain-free), DIN                                                                                                    |
| <b>Objectives</b>                      | 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)                                                                             |
| <b>Objective mounting thread</b>       | W 4/5"x1/36" (RMS standard)                                                                                                                                          |
| <b>Stand type</b>                      | Upright                                                                                                                                                              |
| <b>Stage</b>                           | Circular rotating 360°, lockable                                                                                                                                     |
| <b>Stage size</b>                      | Ø160mm                                                                                                                                                               |
| <b>Travel range X&amp;Y</b>            | 1° increments, 0,1° vernier scale                                                                                                                                    |
| <b>Condenser</b>                       | Focusable and centerable Achromat Swing-out Abbe condenser N.A. 0.90/0.13 (strain-free) and rotatable polarizer                                                      |
| <b>Diaphragm</b>                       | Iris diaphragm                                                                                                                                                       |
| <b>Focus mechanism</b>                 | Coaxial coarse and fine focusing system with tension adjustment                                                                                                      |
| <b>Fine focus precision</b>            | 2µm                                                                                                                                                                  |
| <b>Focusing stroke</b>                 | 25mm                                                                                                                                                                 |
| <b>Upper limit stop</b>                | Upper limit stop preset but adjustable                                                                                                                               |
| <b>Filter holder</b>                   | On top of the illuminator with fixing cap                                                                                                                            |
| <b>Incident illumination</b>           | LED 3W with integrated field and aperture diaphragms                                                                                                                 |
| <b>Transmitted illumination</b>        | Koehler LED 3W & Quartz halogen 6V/30W with intensity control                                                                                                        |
| <b>Illumination interchangeability</b> | Halogen/LED and LED color temperature interchangeability                                                                                                             |
| <b>Illumination features</b>           | Motic LightTracer: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicator                                                          |
| <b>Transformer</b>                     | Internal                                                                                                                                                             |
| <b>Power supply</b>                    | 110-240V (CE)                                                                                                                                                        |
| <b>Other features</b>                  | USB 2.0 for external camera power                                                                                                                                    |
| <b>Accessories included</b>            | Dust cover, power cord, Allen key, blue filter, halogen bulb, LED module, adjustable key for nosepiece, interference color chart, screws for metal extension support |
| <b>Dimensions LxWxH</b>                | 410x300x450mm                                                                                                                                                        |
| <b>Net weight</b>                      | 10.4kg                                                                                                                                                               |