

PA53 BIO Series

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| <b>Optical system</b>            | Colour Corrected Infinity Optical System (CCIS®)   |
| <b>Observation tube</b>          | Trinocular head, Siedentopf type   |
| <b>Inclination</b>               | 30° inclined   |
| <b>Trinocular light split</b>    | 100:0/20:80/0:100  |
| <b>Interpupillary distance</b>   | 55-75mm  |
| <b>Diopter adjustment</b>        | On both eyepieces, +/- 4 diopter   |
| <b>Eyepieces</b>                 | Widefield WF10X/23mm with diopter adjustment   |
| <b>Intermediate body</b>         | Simple intermediate arm with head and nosepiece holder, connecting cable for intelligent light function & AMS sensor       |
| <b>Nosepiece</b>                 | Reversed sextuple, coded   |
| <b>Objective classification</b>  | CCIS® UC Plan Achromatic (Pb free)   |
| <b>Objectives</b>                | 4X/0.10 (WD 30.5mm), 10X/0.25 (WD 17.4mm), 40X/0.65/S (WD 0.6mm), 100X/1.25/S-Oil (WD 0.16mm)                              |
| <b>Objective mounting thread</b> | W 4/5"x1/36" (RMS standard)  |
| <b>Stand type</b>                | Upright  |
| <b>Stage</b>                     | Stage with anti-abrasive surface, FL shutter, low coaxial telescopic position control, yet position and tension adjustable |
| <b>Stage size</b>                | 320x170mm  |
| <b>Travel range X&amp;Y</b>      | 80x52mm  |
| <b>Condenser</b>                 | Focusable and centerable Abbe condenser N.A. 0.90 with slot for contrast sliders   |
| <b>Diaphragm</b>                 | Iris diaphragm   |
| <b>Focus mechanism</b>           | Coaxial coarse and fine focusing system with tension adjustment  |
| <b>Fine focus precision</b>      | 1µm  |
| <b>Focusing stroke</b>           | 29.5mm - Coarse:17.7mm/revolution - Fine: 0.1mm revolution (1µm scale)   |
| <b>Upper limit stop</b>          | Upper limit stop preset but adjustable   |
| <b>Filter</b>                    | ND6, ND25, LBD   |
| <b>Filter holder</b>             | Integrated filters   |
| <b>Incident illumination</b>     | -  |
| <b>Transmitted illumination</b>  | Köhler LED 10W with intensity control  |
| <b>Illumination features</b>     | Power saving mode ECO function, LED voltage indicator and Intelligent Light function                                       |
| <b>Transformer</b>               | Internal   |
| <b>Power supply</b>              | 110-240V (CE)  |
| <b>Accessories included</b>      | Dust cover, power cord, Allen key, immersion oil (5ml)   |
| <b>Dimensions LxWxH</b>          | 576x247x457  |
| <b>Net weight</b>                | 19.2kg   |
| <b>Notes</b>                     | -  |