

PA53 BIO Series

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Optical system	Colour Corrected Infinity Optical System (CCIS [®])
Observation tube	Trinocular head, Siedentopf type
Inclination	30° inclined
Trinocular light split	100:0/20:80/0:100
Interpupillary distance	50-75mm
Diopter adjustment	On both eyepieces, +/- 4 diopter
Eyepieces	Widefield WF10X/25mm with diopter adjustment
Intermediate body	Simple intermediate
Nosepiece	Reversed quintuple, coded
Objective classification	CCIS [®] HPlan S-APO (Fluor)
Objectives	4X/0.13 (WD 17.3mm), 10X/0.3 (WD 11.7mm), 40X/0.75/S (WD 0.7mm), 100X/1.3/S-Oil (WD 0.1mm)
Objective mounting thread	W 4/5"x1/36" (RMS standard)
Stand type	Upright
Stage	Mechanical stage with built-in low position rackless coaxial stage control and sample holder
Stage size	220x170mm
Travel range X&Y	80x55mm
Condenser	Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders
Diaphragm	Iris diaphragm
Focus mechanism	Coaxial coarse and fine focusing system with tension adjustment
Fine focus precision	1µm
Focusing stroke	29.5mm - Coarse: 17.7mm/revolution - Fine: 0.1mm/revolution (1µm scale)
Upper limit stop	Upper limit stop preset but adjustable
Filter	ND6, ND25, LBD
Filter holder	Integrated filters
Transmitted illumination	Köhler Quartz halogen 12V/100W with intensity control
Illumination features	Power saving mode ECO function, LED voltage indicator and Intelligent Light function
Transformer	Internal
Power supply	110-240V (CE)
Accessories included	Dust cover, power cord, Allen key, immersion oil (5ml)
Dimensions LxWxH	576x247x457
Net weight	19.3kg