

VanGuard 1300-Series Compound Microscopes

Ultra-low focus control, angled viewing head, and interpupillary / dioptic adjustments make this microscope comfortable to use

- The compact frame allows easy arm placement to the controls. Plan objectives provide exceptionally high optical flatness and visual clarity
- Choose from binocular or trinocular viewing heads, and Brightfield or Phase Contrast configurations
- Accessories and parts are available; contact VEE GEE for more information

SPECIFICATIONS		1321Bri	1331Bri	1323PHi	1333PHi
Optical System		VIOS Infinity Corrected			
Viewing Head	Type	Binocular (Siedentopf)	Trinocular (Siedentopf)	Binocular (Siedentopf)	Trinocular (Siedentopf)
	Tube Inclination	30°			
	Rotation	360°			
	Interpupillary	2.2-3 in / 55-75 mm			
	Dioptic	-5 to +5			
Camera Port		N/A	20/80 Spilt	N/A	20/80 Spilt
Eyepieces	Magnification	10X			
	Type	Widefield			
	Field Diameter	0.8 in / 20 mm			
	High-Eyepoint	Yes			
Nosepiece	Rubber Eyecups	Yes			
	Positions	4			
	Pitch	Reverse			
Objectives	Illumination	Brightfield		Brightfield / Darkfield / Phase Contrast	
	Type	Plan Achromatic			
	Magnification (N.A.)	4X (0.10), 10X (0.25), 40X (0.60), 100X (1.25)		10X (0.25), 20X (0.40), 40X (0.60), 100X (1.25)	
	DIN Standard	Yes			
Stage	Type	Mechanical			
	Shape	Rectangular			
	Dimensions (L x W)	5.5 x 4.3 in / 140 x 110 mm			
	X-Y Control	Drop-down, Right Hand, Rack and Pinion			
	Cross Travel Range	3 x 2 in / 75 x 50 mm			
	Slide Holder	Removable spring clip			
	Finish	Chemical Resistant			
Focusing	Type	Coaxial, Low-Position			
	Controls	Coarse / Fine			
	Tension Adjustment	Yes			
	Safety Auto-Stop	Yes			
	Focusing Range	0.4 in x 10 mm			
	Precision	0.002 mm			
Condenser	Type	Abbe 1.25 N.A. with Iris Diaphragm			
	Focusing Control	Rack and Pinion			
Illumination	Type	20W Variable Quartz Halogen			
	Koehler	Field Diaphragm			
	Filter Holder	On Collector			
Specifications	Base (L x W)	8.9 x 6.9 in / 225 x 175 mm; Anti-Skid Rubber Feet			
	Body	Ergonomic; Stain-Resistant Enamel Finish			
	Dimensions (L x W x H)	14.6 x 7.5 x 15.7 in 370 x 190 x 400 mm	14.6 x 7.5 x 18.9 in 370 x 190 x 480 mm	14.6 x 7.5 x 15.7 in 370 x 190 x 400 mm	14.6 x 7.5 x 18.9 in 370 x 190 x 480 mm
	Weight	6.5 kg		6.8 kg	
	Voltage	110 VAC			
Warranty	5-Year Optical/Mechanical; 1-Year Electrical				
Supplied With	Clear Diffusing Filter, Blue Filter, Spare Lamp and Fuses, Dust Cover, and Operation Manual			Clear Diffusing Filter, Blue Filter, Green Filter, Telescoping Eyepiece, Spare Lamp and Fuses, Dust Cover, and Operation Manual	

