

VAN GUARD

1400INi-Series Inverted Microscopes



Features

- VIOS Infinity-Corrected Optics
- 30W Variable Quartz Halogen Illumination
- Phase Contrast & Brightfield
- Optional Fluorescence Packages
- Advanced Ergonomics
- 400mm Eyepoint Height
- High-Eyepoint Eyepieces (FD 22mm) w/ Rubber Eyecups
- Multiple Stage Inserts For Plates, Dishes, Vials, & Slides

VAN GUARD[®]
INFINITE • SOLUTIONS

VIOS
Infinity Optics



1400iNi Series Inverted Microscopes

Featuring vivid, infinity-corrected optics, the 1400iNi Series Inverted Microscopes provide life science professionals high performance for tissue culture applications. A wide selection of stage inserts come standard to support 96-well plates, HLA/Terasaki plates, 3x1" glass slides, and 65/54/35mm Petri dishes.

Built around an industry-leading, high-performance frame, the 1400iNi Series models eliminate the fatigue and strain associated with working long hours over a microscope. Low-position focusing controls and long drop-down X-Y controls ensure simple, consistent, and comfortable use.

Brightfield & Phase Contrast models feature infinity-corrected plan achromatic objectives. Fluorescence upgrade packages are available as options.

Various camera packages are available as options; including digital, video, and 35mm systems.

All models feature 10X High-Eyepoint WideField eyepieces, 30W variable quartz halogen illumination, and are backed by a 5-Year warranty.

Technical Specifications

	1491iNi	1493iNi	
Optical System	VIOS Infinity-Corrected	VIOS Infinity-Corrected	
	Type	Trinocular	Trinocular
Viewing Head	Tube Inclination	30°	30°
	Rotatable	360°	360°
	Interpupillary	48-75mm	48-75mm
Camera Port	Dioptric	-6 to +6	-6 to +6
	Magnification	20/80 Split	20/80 Split
Eyepieces	Type	10X	10X
	Field Diameter	Ultra WideField	Ultra WideField
	High-Eyepoint	22mm	22mm
	Rubber Eyecups	Yes	Yes
Nosepiece	Positions	Yes	Yes
	Pitch	5	5
Objectives	Illumination Technique(s)	Reverse	Reverse
	Type	Brightfield	Brightfield / Phase Contrast
	Magnification (N.A.)	Plan Achromatic	Plan Achromatic
Stage	DIN Standard	4x (0.10), 10x (0.25), 20x (0.40), 40x (0.60)	4x (0.10), 10x (0.25), 20x (0.40), 40x (0.60)
	Type	Yes	Yes
	Shape	Mechanical	Mechanical
	Dimensions	Rectangular (w/ Circular Glass Insert)	Rectangular (w/ Circular Glass Insert)
	X-Y Control	250x160mm	250x160mm
	Cross Travel Range	Drop-Down, Right-Hand, Rack & Pinion	Drop-Down, Right-Hand, Rack & Pinion
	Auxiliary Stages	120x80mm	120x80mm
	Finish	2	2
	Inserts	Chemical Resistant	Chemical Resistant
		96-Well Plates, HLA/Terasaki Plates, 3x1" Glass Slides, 65/54/35mm Petri Dishes	96-Well Plates, HLA/Terasaki Plates, 3x1" Glass Slides, 65/44/35mm Petri Dishes
Focusing	Type	Coaxial, Ultra Low-Position	Coaxial, Ultra Low-Position
	Controls	Coarse/ Fine	Coarse/ Fine
	Tension Adjustment	Yes	Yes
	Safety Auto-Stop	Yes	Yes
	Focusing Range	40mm	40mm
Condenser	Precision	0.002mm	0.002mm
	Type	0.30 N.A. w/ Iris Diaphragm	0.30 N.A. w/ Iris Diaphragm
	Working Distance	75mm	75mm
Illumination	Focusing Control	Rack & Pinion	Rack & Pinion
	Phase Slider Annuli	N/A	10X/20X Stop, 40X Stop, Filter Stop
Base	Type	30W Variable Quartz Halogen	30W Variable Quartz Halogen
	Filter Holder	Front Insert	Front Insert / Phase Slider
Body	Type	320 x 240mm; Anti-Skid Rubber Feet	320 x 240mm; Anti-Skid Rubber Feet
	Finish	Ergonomic	Ergonomic
Dimensions	Type	Stain-Resistant Enamel	Stain-Resistant Enamel
	Weight	515 (L) x 250 (W) x 475 (H) mm	515 (L) x 250 (W) x 475 (H) mm
Voltage	Type	8.7kg	8.7kg
	Warranty	110V (220V Available On Request)	110V (220V Available On Request)
Supplied With		5-Year Optical/Mechanical; 1-Year Electrical	Clear Diffusing Filter (Ø45mm), Blue Filter (Ø45mm), Green Filter (Ø45mm)*, Telescoping Eyepiece*, Spare Lamps & Fuses, Dust Cover, & Operation Manual

*Model 1493iNi Only



VEE GEE Scientific LLC

620 Lakeview Parkway • Vernon Hills, IL 60061
(800) 423-8842 • www.veege.com • sales@veege.com

