

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





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



*Model 1493INi Only