

# 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		VIOS Infinity-Corrected	VIOS Infinity-Corrected
	Type	Trinocular	Trinocular
Viewing Head	Tube Inclination	30°	30°
	Rotatable	360°	360°
	Interpupillary	48-75mm	48-75mm
	Dioptric	-6 to +6	-6 to +6
Camera Port		20/80 Split	20/80 Split
	Magnification	10X	10X
	Type	Ultra WideField	Ultra WideField
Eyepieces	Field Diameter	22mm	22mm
	High-Eyepoint	Yes	Yes
	Rubber Eyecups	Yes	Yes
Nosepiece	Positions	5	5
	Pitch	Reverse	Reverse
	Illumination Technique(s)	Brightfield	Brightfield / Phase Contrast
Objectives	Type	Plan Achromatic	Plan Achromatic
	Magnification (N.A.)	4X (0.10), 10X (0.25), 20X (0.40), 40X (0.60)	4X (0.10), 10X (0.25), 20X (0.40), 40X (0.60)
	DIN Standard	Yes	Yes
	Type	Mechanical	Mechanical
	Shape	Rectangular (w/ Circular Glass Insert)	Rectangular (w/ Circular Glass Insert)
	Dimensions	250x160mm	250x160mm
	X-Y Control	Drop-Down, Right-Hand, Rack & Pinion	Drop-Down, Right-Hand, Rack & Pinion
Stage	Cross Travel Range	120x80mm	120x80mm
	Auxiliary Stages	2	2
	Finish	Chemical Resistant	Chemical Resistant
	Inserts	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
	Type	Coaxial, Ultra Low-Position	Coaxial, Ultra Low-Position
Focusing	Controls	Coarse/ Fine	Coarse/ Fine
	Tension Adjustment	Yes	Yes
	Safety Auto-Stop	Yes	Yes
	Focusing Range	40mm	40mm
	Precision	0.002mm	0.002mm
	Type	0.30 N.A. w/ Iris Diaphragm	0.30 N.A. w/ Iris Diaphragm
Condenser	Working Distance	75mm	75mm
	Focusing Control	Rack & Pinion	Rack & Pinion
	Phase Slider Annuli	N/A	10X/ 20X Stop, 40X Stop, Filter Stop
Illumination	Type	30W Variable Quartz Halogen	30W Variable Quartz Halogen
	Filter Holder	Front Insert	Front Insert / Phase Slider
Base		320 x 240mm; Anti-Skid Rubber Feet	320 x 240mm; Anti-Skid Rubber Feet
Body	Type	Ergonomic	Ergonomic
	Finish	Stain-Resistant Enamel	Stain-Resistant Enamel
Dimensions		515 (L) x 250 (W) x 475 (H) mm	515 (L) x 250 (W) x 475 (H) mm
Weight		8.7kg	8.7kg
Voltage		110V (220V Available On Request)	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

