



Stereo Microscopes

1200ZP & 1200ZB Series



- **Research Level**
- **Zoom Magnification (6.5:1)**
- **Pole Stand Or Boom Stand Bases**
- **Precision Optics**

VanGuard 1200ZP & 1200ZB Series Stereo Microscopes feature a zoom magnification range of 7X to 45X (w/ 10X eyepieces). The precision stereo optics produce high-resolution, three-dimensional images. Choose from pole stand or boom stand bases. Optional eyepieces and supplementary lenses are available to customize any model for specific magnification requirements.

Viewing Head. Binocular or trinocular heads rotate 360° and are inclined at 45°. All models feature interpupillary and dual dioptic adjustment, a large field of view, and a 93mm working distance.

Eyepieces. 10X Widefield (DIN) with a field number of 20.

Zoom Optics. The 0.7X to 4.5X primary magnification produces a nominal total magnification range of 7X to 45X, when the 10X eyepieces are used. Features smooth-turning, dual, side-mounted zoom controls.

Pod Ring. Sturdy design with set screw and 85mm inside diameter.

Focusing Movement. Large, knurled knobs drive rack & pinion mechanism for easy, controlled focusing. Also features a slip clutch mechanism to protect the gears, tension control, and 85mm of total vertical travel.

Pole Stand. 1200ZP Series models feature a solid, stainless-steel pole (165mm length) with 100mm of vertical travel.

Boom Stand. 1200ZB Series models feature a durable boom stand allowing 415mm of horizontal travel and 300mm of vertical travel. Solid base requires no counterbalance.

Stage Plate. Black/white reversible stage plates come standard on the 1200ZP Series models.

Stage Clips. Locked-on, stainless-steel, spring-loaded stage clips.

Base (1200ZP). Stable 190x150mm base fitted with anti-skid rubber feet.

Base (1200ZB). Stable 260x240mm base fitted with anti-skid rubber feet.

Body. Cast-metal, ergonomic body with stain-resistant enamel finish.

Dimensions (1200ZP). 190mm (L) x 150mm (W) x 430mm (H); 5.6kg.

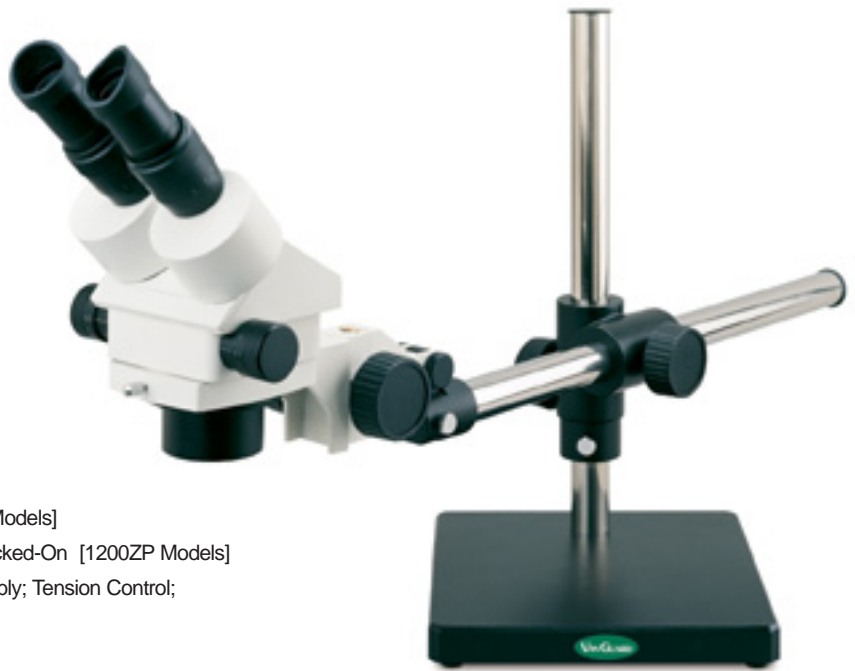
Dimensions (1200ZB). 815mm (L) x 240mm (W) x 420mm (H); 11.2kg.



Model 1275ZP

Specifications

Viewing Head:	Binocular or Trinocular
Head Rotation:	360°
Head Inclination:	45°
Interpupillary Adjustment:	55-90mm
Dioptric Adjustment:	-5 to +5
Eyepiece Magnification:	10X Widefield
Eyepiece Field Number:	20mm
Optional Eyepieces:	15X (Field Diameter: 15mm) 20X (Field Diameter: 12mm)
Optional Supplementary Lenses:	0.5X, 1.0X, 1.5X, & 2.0X
Stereo Zoom Objectives:	0.7X to 4.5X
Working Distance:	93mm
Pod Ring I.D.:	85mm
Stage Plate:	Black/White Reversible [1200ZP Models]
Stage Clips:	Stainless Steel, Spring-Loaded, Locked-On [1200ZP Models]
Focusing Movement:	Dual Knobs; Rack & Pinion Assembly; Tension Control; Slip-Clutch Mechanism
Vertical Travel:	85mm
Upper Illumination:	None
Lower Illumination:	None
Horizontal Base Pole:	500mm Length; 415mm Travel [1200ZB Models]
Vertical Base Pole:	165mm Length; 100mm Travel [1200ZP Models] 390mm Length; 300mm Travel [1200ZB Models]
Base Dimensions:	190mm x 150mm [1200ZP Models] 240mm x 260mm [1200ZB Models]
Overall Dimensions:	190mm (L) x 150mm (W) x 430mm (H) [1200ZP Models] 815mm (L) x 240mm (W) x 420mm (H) [1200ZB Models]
Weight:	5.6kg [1200ZP Models] 11.5kg [1200ZB Models]
Supplied With:	Eyecup (2), Dust Cover, Operation Manual



Model 1277ZB

Magnification Configurations

Eyepieces	Supplementary Lens	Zoom Range	Field of View (mm)	Working Distance (mm)
10X	0.5X	3.5X to 22.5X	57.0 to 8.8	150
10X	1.0X / None	7X to 45X	28.5 to 4.4	93
10X	1.5X	10.5X to 67.5X	19.0 to 3.0	49
10X	2.0X	14X to 90X	14.2 to 2.2	34
15X	0.5X	5.25X to 33.75X	42.8 to 6.6	150
15X	1.0X / None	10.5X to 67.5X	22.0 to 3.4	93
15X	1.5X	15.75X to 101.25X	14.2 to 2.2	49
15X	2.0X	21X to 135X	11.0 to 1.7	34
20X	0.5X	7X to 45X	34.0 to 5.3	150
20X	1.0X / None	14X to 90X	17.0 to 2.6	93
20X	1.5X	21X to 135X	11.0 to 1.7	49
20X	2.0X	28X to 180X	8.5 to 1.3	34

Ordering Information Parts & Accessories listed on pages 36-39

1200ZP Models

Model	Head	Zoom Range (Primary)	Upper Illumination	Lower Illumination
1275ZP	Binocular	0.7X to 4.5X	None	None
1276ZP	Trinocular	0.7X to 4.5X	None	None

1200ZB Models

Model	Head	Zoom Range (Primary)	Upper Illumination	Lower Illumination
1277ZB	Binocular	0.7X to 4.5X	None	None
1278ZB	Trinocular	0.7X to 4.5X	None	None