



**NATIONAL MODEL 400TBL  
STEREO MICROSCOPE – VERTICAL HEAD – FIXED MAGNIFICATION**

See illustration on page 3.

National's most popular stereo microscope for education and industry. Rugged and dependable, delivers a 3-dimensional, unreversed image with great resolution, brightness and clarity. Same high quality optical system of our larger stereo microscopes. Vertical design keeps the cost low, yet rugged construction affords years of reliable viewing.

**OPTICAL SYSTEM**

- Paired widefield 10x eyepieces are supplied standard, with diopter adjustment on left side. Interpupillary adjustment from 50mm to 75mm. Accepts optional #965-400-05 & #965-400-10 eyepiece reticle.
- Paired 2x objectives are parfocalled, parcentered, achromatic and fixed permanently in place. Standard magnification of 20x is considered ideal. Higher magnifications are possible by selecting models with 3x or 4x objectives. Optional WF15x eyepieces increase magnification by 50%.

**ILLUMINATION**

- High intensity, 12v 10 watt built-in incidental (top) and transmitted (bottom) illumination with base mounted on/off switch.

**FOCUSING**

- Rack and pinion focusing with slip clutch and tension adjustment.
- Mounted on metal post, adjusts up and down.

**STAGE**

- 80mm reversible black/white plastic contrast plate and 80mm frosted glass stage plate.
- Locked-on stage clips.

**FRAME**

- Rugged, cast frame, gray enamel finish.
- Height 292 mm (11-1/2 in.).
- Net wt. 2.6 kgs (5.7 lbs).

**PACKING**

- Molded styrofoam container with instruction brochure and vinyl dustcover.
- Individual: Ship wt. 4.1 kgs (9 lbs), Dimensions 400x425x275mm (16x17x11 in.)
- Master carton pack 4 each: Ship wt. 13.2 kgs (29 lbs), Dimensions 675x350x350mm (27x14x14 in.)

**WARRANTY**

- 5-year limited warranty, excluding bulbs and fuses.

<b>Magnification Chart</b>						
Objective	Eyepiece				Working Distance	Maximum Specimen Height
	WF10X (supplied)		WF15X (optional)			
	Total Magnification	Field Size	Total Magnification	Field Size		
2X	20X	10mm	30X	6.5mm	65mm	60mm
3X	30X	6.7mm	45X	4.3mm	55mm	60mm
4X	40X	5mm	60X	3.3mm	40mm	60mm

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**PARTS & ACCESSORIES:**

600-400	Eyepiece shields, rubber, pair
605-400	WF5x eyepieces, paired (permits only 60mm-84mm I.P.D.)
610-400	WF10x eyepieces, paired
615-400	WF15x eyepieces, paired
620-400	WF20x eyepieces, paired
800-400	Replacement bulb, 12v 10w, tubular (for both 110v and 220v versions)
801-050	Replacement fuse, 0.50 amp, for 400TBL 220v version
801-100	Replacement fuse, 1.0 amp, for 400TBL 110v version
940-410	Replacement frosted glass stage plate, 80mm dia.
941-410	Replacement black/white plastic contrast plate, 80mm dia.
951	Dustcover, large 16" x 13"
965-400-05	Eyepiece reticle, 5mm/100 div., 23mm diameter
965-400-10	Eyepiece reticle, 10mm/100 div., 23mm diameter
970-400	Stage clip for stereo microscope, 75mm from post, each

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Sales: 888-777-8835 • Email: [sales@m-depot.com](mailto:sales@m-depot.com)  
Main: 209-839-2990 • Fax: 888-872-4300  
<http://www.microscope-depot.com>



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