



**NATIONAL MODEL 405TBL
STEREO MICROSCOPE – INCLINED HEAD – FIXED MAGNIFICATION**

See illustration on page 3.

Same high quality optical system and precise mechanical components of our larger stereo microscopes. Upright, unreversed image. Available with 2x, 3x, or 4x objectives for different magnifications. Optional eyepieces may be added later for increase magnification (20x is considered ideal for inclined, post mounted to permit 360° rotation and adjustment up/down to accommodate larger specimens.

OPTICAL SYSTEM

- Paired widefield 10x eyepieces are supplied standard, 45° inclined, with diopter adjustment. Interpupillary adjustment from 50mm to 75mm. Reticle holder/retainer accepts eyepiece reticle with 23mm O.D.
- Objectives are parfocalled, parcentered, and achromatic. Standard magnification of 20x is considered ideal. Higher magnification possible by selecting models with 3x or 4x objectives. Optional WF15x eyepieces increase magnification 50%.

ILLUMINATION

- High intensity, 12v 10 watt incidental and transmitted illumination. Separate switches permit use of top & bottom, top only or bottom only.

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 metal frame, gray enamel finish.
- Height: 275 mm (10-7/8 in.).
- Base width: 115mm (4-1/2 in.), Base depth: 197mm (7-3/4 in.).
- Net wt. 2.7 kg (6 lbs).

PACKING

- Molded styrofoam container with instruction brochure, eyeshields and vinyl dustcover.
- Individual: Ship wt. 4.1 kgs (9 lbs), Dimensions 400x425x275mm (16x17x11 in.)
- Master carton pack 4 each: Ship wt. 14.5 kgs (32 lbs), Dimensions 675x350x350mm (27x14x14 in.)

WARRANTY

- 5-year limited warranty excluding bulb and fuse.

Magnification Chart						
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	58mm
3X	30X	6.7mm	45X	4.3mm	55mm	60mm
4X	40X	5mm	60X	3.3mm	40mm	60mm

Continued on page 2

NATIONAL MODEL 405TBL
Stereo Microscope – Inclined Head – Fixed Magnification
Page 2 of 3

PARTS & ACCESSORIES:

600-400	Eyepiece shields, rubber, pair
605-400	WF5x eyepieces, paired (permit 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 10 watt (for both top & bottom bulbs)
801-100	Replacement fuse, 1.0 amp
940-410	Replacement frosted glass stage plate, 80mm dia.
941-410	Replacement black/white plastic contrast plate, 80 mm 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



Distributed by:

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