



NATIONAL

National Optical & Scientific Instruments, Inc.
A Member of the Motic Group

MODEL 405 Stereo Microscope with Inclined Head and Fixed Magnification

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, left-side diopter adjustment, interpupillary adjustment from 55mm to 75mm.
- Eyepieces equipped with reticle holder/retainer to accept reticle with 23mm O.D.
- Viewing head adjusts up or down on post mount to accommodate difference size specimen.
- Paired objectives are parfocaled, 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 percent.

ILLUMINATION

- Top light (incidental) is 12v, 10 watt tungsten with adjustable beam.
- Bottom light (transmitted) is 12v, 10 watt tungsten.
- 4-position light control: top only/bottom only/top & bottom/off.

BASE

- Rack & pinion focusing with slip clutch and tension adjustment.
- Includes two 80mm stage plates: frosted glass and reversible black/white plastic contrast plate.
- Locked-on stage clips.

WARRANTY

- 5 year limited warranty, excluding bulb, cord, and fuse.



National Model 405

Specifications	
Eyepiece	10x, 20mm (15x, 20mm model 405TBL-15-4)
Head	45° inclined head
Stage	80mm, frosted glass, reversible black & white
Magnification Options	2x (Model 405TBL-10-2) 3x (Model 405TBL-10-3) 4x (Model 405TBL-10-4) 4x (Model 405TBL-15-4)
Maximum Specimen Height	35mm
Working Distance	75mm
Top Illumination	12v, 10w tungsten
Bottom Illumination	12v, 10w tungsten
Height/ Weight	10 7/8 in. (275mm)/ 6 lbs (2.7 kgs)

PACKING:

- Individual: Ship wt. 9 lbs (4.1 kgs), Dimensions 16x17x11 in. (400x425x275mm)
- Master carton pack 4 each: Ship wt. 32 lbs (14.5 kgs), Dimensions 27x14x14 in. (675x350x350mm)

Parts and Accessories	
605-400	WF5x eyepieces, paired
615-400	WF15x eyepieces, paired
620-400	WF20x eyepieces, paired