



NATIONAL

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

430 SERIES Stereo Microscope

Combines the precise optical performance of our most popular stereo model with a newly enhanced illumination system. Specially designed incidental lamp can be directed precisely where needed, includes intensity control. Transmitted illumination is fluorescent for optimum light and very cool temperature to prolong life of live material.

OPTICAL SYSTEM

- Paired widefield 10x eyepieces, inclined 45 degrees, diopter adjustment, interpupillary adjustment from 55mm to 75mm.
- Eyepieces equipped with reticle holder/retainer to accept reticle with 23mm O.D.
- Viewing head rotates 360°, adjusts up or down on post mount to accommodate difference size specimen.
- Paired objectives are parfocalled, parcentered and achromatic.
- Magnification changed by rotating objective turret 90° to positive click stops.

ILLUMINATION

- Top light (incidental) is 12v, 15 watt halogen, bi-pin with adjustable beam and variable intensity control.
- Bottom light (transmitted) is 120v, 5 watt fluorescent.
- 4-position light control: top only/bottom only/top & bottom/off.

BASE

- Professional, all-metal frame.
- Rack & pinion focusing with slip clutch and tension adjustment.
- Heavy-duty post mount with locking collar, permits up or down adjustment of viewing head to accommodate different sized objects on stage.
- Includes two 80mm stage plates: frosted glass and reversible black/white plastic contrast plate.
- Blue filter for transmitted light.
- Locked-on stage clips.

WARRANTY

- Lifetime limited warranty, excluding bulb, cord, and fuse.



National 430 Series

Specifications	
Eyepiece	10x, 20mm (15x, 20mm models 430-430PHF-15, 431-430PHF-15)
Head	45° inclined head, rotates 360°
Stage	80mm; frosted glass, reversable black & white
Magnification Options	1x , 3x (Models 430-430PHF-10, 430-430PHF-15) 2x, 4x (Models 431-430PHF-10, 431-430PHF-15)
Maximum Specimen Height	72mm
Working Distance	94mm
Top Illumination	12v, 15 watt halogen
Bottom Illumination	120v, 5 watt fluorescent
Height	13 in. (325mm)

PACKING:

- Individual: Ship wt. 16 lbs (7.3 kgs), Dimensions 22x15x15 in. (550x375x375mm)
- Master carton pack 2 each: Ship wt. 30 lbs (13.6 kgs), Dimensions 19x15x19 in. (475x375x475mm)

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