



NATIONAL

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

MODEL 425

Stereo Microscope-Inclined Head-
Dual-Magnification

The convenience and versatility of viewing a large picture at .75X magnification, then zooming continuously all the way to close-up detail at 50x magnification in standard configuration. The 35° inclined viewing head provides an upright, unreversed image which permits easy manipulation of object being viewed while looking through the microscope. The incidental and transmitted illuminators incorporate high intensity Lambertain, 5500K color temperature 3 watt LED lamps.

OPTICAL SYSTEM

- Paired widefield high eyepoint 10x/23 eyepieces, inclined 35°, diopter adjustment on both eyepieces, interpupillary adjustment from 55mm to 75mm.
- Viewing head rotates 360°
- High resolution, achromatic, color corrected lenses are parfocalled, and parcentered.
- Zoom magnification range: 0.75X – 5X.
- Anti-fungus properties

ILLUMINATION

- Rheostat controls intensity of bottom, top or both illuminators.
- Lambertain 5500K color temperature 3 watt LED lamp.
- Heavy-duty 3-wire grounded cord and plug.
- 4-position light control: top only/bottom only/top & bottom/off.

BASE

- Professional, all-metal frame.
- Ball bearing focusing mechanisms.
- 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.
- Universal power input 110v/220v.

WARRANTY

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



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Specifications	
Eyepiece	10x, 23mm (15x, 23mm models 425-440PLL-15, 425T-440PLL-15)
Head	35° inclined binocular head, rotates 360°(425 models) 35° inclined trinocular head, rotates 360° (425T models)
Stage	80mm; frosted glass, reversable black & white
Objectives	Zoom, 0.75X – 5X
Working Distance	113mm
Top Illumination	LED
Bottom Illumination	LED

PACKING:

- Individual: Ship wt. 32 lbs (14.5 kgs), Dimensions 20x18x17 in. (508x457x431mm)
- Master carton pack 1 each: Ship wt. 32 lbs (14.5 kgs), Dimensions 20x18x17 in. (508x457x431mm)

Parts and Accessories	
605-425	WF5x eyepieces, paired (Note: WF5x E.P. permit only 60mm-84mm I.P.D.)
615-425	WF15x eyepieces, paired
620-425	WF20x eyepieces, paired
705-425	0.5x auxiliary objective lens
715-420	1.5x auxiliary objective lens



National Optical & Scientific Instruments, Inc.

11113 Landmark 35 Drive
San Antonio, TX 78233 USA
Tel: (800) 275-3716
Fax: (210) 590-1104
E-mail: Info@nationaloptical.com

Authorized Distributor

Distributed by:

the **microscope**  *depot*

Sales: 888-777-8835 • Email: sales@m-depot.com
Main: 209-839-2990 • Fax: 209-839-2999
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ISO 9001:2000 Certified
ISO 14001:2001 Certified

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