



## NATIONAL MODEL 131-SPMS INCLINED MONOCULAR MICROSCOPE

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See illustration on page 2.

The microscope model that sets the standard for high school instruction. Includes all the most commonly specified features. Rugged metal construction, locked-on parts. Superior DIN optical system and precision mechanical components assure parfocussed and parcentered optical alignment for sharp, unsurpassed viewing. Recommended for instruction through grade 12.

### OPTICAL SYSTEM

- Widefield 10x eyepiece with revolving pointer. Accepts optional #965-160 eyepiece reticle.
- Monocular 45° inclined viewing head rotates 360° for easy repositioning of eyepiece and sharing by more than one student.
- DIN 4x, 10x, 40xR and 100xR objectives are achromatic, parfocussed, parcentered, color coded.
- 4-hole nosepiece is ball-bearing mounted for more precise alignment, has positive click stops.

### ILLUMINATION

- 115v 20-watt tungsten illumination, condenser and blue filter, base-mounted on/off switch, heavy duty 3-wire cord.

### FOCUSING

- Low position coarse and fine focusing controls.
- Stage moves up or down, eyepiece and body remain fixed.
- Slip clutch prevents damage to focusing system.
- Tension adjustment eliminates stage drift.
- Safety rack stop prevents damage to slides and objective lenses.

### STAGE

- Large 120mm x 120mm (4-3/4 in. x 4-3/4 in.) stage, with professional quality, low profile mechanical specimen holder with low-position coaxial x-y controls.
- Built-in 1.25 N.A. Abbe condenser with iris diaphragm.

### FRAME

- Rugged cast metal, gray enamel finish.
- Base dimensions: 133mm x 175mm (5-1/4 in. x 7 in.)
- Height: 360mm (14-1/8 in.) Net wt. 3.5 kgs (7.8 lbs)

### PACKING

- Molded styrofoam container with instruction brochure and vinyl dustcover.
- Individual: Ship wt. 5 kgs (11 lbs), Dimensions 550x325x325mm (22x13x13 in.)
- Master carton pack 5 each: Ship wt. 22.2 kgs (49 lbs), Dimensions 875x300x450mm (35x12x18 in.)

### WARRANTY

- Limited lifetime warranty, excluding bulb, cord, and accessory mechanical stage.

### PARTS & ACCESSORIES

800-102	Replacement bulb, 115v 20-watt tungsten, D.C. medium bayonet base.
800-102-220v	Replacement bulb, 220v 20-watt tungsten, D.C. medium bayonet base.
910	Graduated Mechanical stage
965-160	Eyepiece reticle, 10mm/100 div.



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