



## NATIONAL MODEL 131-CLED INCLINED MONOCULAR MICROSCOPE WITH LED ILLUMINATION

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*See illustration on page 2.*

The microscope model that sets the standard for high school instruction, now with cool, long life LED illumination. 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.
- 45° inclined viewing head rotates 360° for easy repositioning of eyepiece and sharing by more than one student.
- DIN 4x, 10x and 40xR objectives are achromatic, parfocussed, parcentered, color coded.
- 3-hole nosepiece is ball-bearing mounted for more precise alignment, has positive click stops.

### ILLUMINATION

- LED light rated up to 100,000 hours life, cool burning illumination equal to a 20 watt tungsten bulb. Base-mounted on/off switch and heavy duty 3-wire cord. Convenient “grabber” clip on plug lets you wrap the cord around microscope and secure in place by pushing cord into clip for easy storage. No bulky cord hanger needed.

### 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 110mm x 120mm (4-3/8 in. x 4-3/4 in.) stage, with locked-on, spring mounted stage slips, drilled and tapped to accept optional mechanical stage.
- Built-in 0.65NA special condenser lens.

### 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. 3.1 kgs (6.8 lbs)

### PACKING

- Molded Styrofoam container with instruction brochure and vinyl dustcover.
- Individual: Ship wt. 4.5 kgs (10 lbs), Dimensions 550x325x325mm (22x13x13 in.)
- Master carton pack 5 each: Ship wt. 19.5 kgs (43 lbs), Dimensions 875x300x450mm (35x12x18 in.)

### WARRANTY

- Lifetime limited warranty, excluding LED bulb and cord.

### PARTS & ACCESSORIES

800-001	Replacement bulb
910	Graduated Mechanical stage
965-160	Eyepiece reticle, 10mm/100 div.



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