



NATIONAL MODELS 106,106-L & 106-LED ELEMENTARY STUDENT MICROSCOPE

See illustration on page 2.

Full-sized performance in a microscope scaled down for younger students. Standard microscope format most commonly used throughout U.S. schools. Simple to use, yet prepares students for easy transition to high school instruction. Precision optical systems features achromatic, optical glass lenses. Rugged metal components are engineered for years of reliable performance. Student proofing features minimize loss of parts and other student abuse. Recommended for instruction through grade 6.

OPTICAL SYSTEM

- Widefield 10x eyepiece with revolving pointer.
- Achromatic, color-coded 4x, 10x, 40xR objectives provide 40x, 100x and 400x magnification.
- Revolving objective turret has positive click stops for easy, precise magnification changes.

ILLUMINATION

- 106: 42mm plano-concave mirror. If light conditions are poor, it will necessary to incline the microscope on its inclination joint for the mirror to catch sufficient light.
- 106-L: 115v 15-watt sub-stage illuminator with on/off switch permanently factory mounted.
- 106-LED: Lighting equivalent to a 20-watt tungsten bulb, rechargeable NMH batteries, auto cutoff recharger, switch with rheostat control.

FOCUSING

- Rack and pinion focusing, dual coarse focusing knobs.
- Slip clutch protects mechanism from over-turning.
- Tension adjustment eliminates focus drift.
- Rack stop prevents damage to slides and lenses.

STAGE

- 88mm x 82mm (3-1/2 in. x 3-1/4 in.) stage with locked-on, spring activated stage clips.
- Calibrated 6-hole disc diaphragm.

FRAME

- Rugged cast metal with inclination joint, gray enamel finish.
- Height 295 mm (11-3/4 in.). Net wt. 1.7 kgs (3.7 lbs).

PACKING

- Molded styrofoam container with instruction brochure and vinyl dustcover.
- Individual: Ship wt. 2.7 kgs (6 lbs), Dimensions 450x300x275mm (18x12x11 in.)
- Master carton pack 5 each: Ship wt. 10.9 kgs (24 lbs), Dimensions 775x275x375mm (31x11x15 in.)

WARRANTY

- 5-year limited warranty, excluding bulb.

MODEL 106 (with mirror)

MODEL 106-L (with 15 watt electric illuminator)

MODEL 106-LED (with cordless LED illumination)

PARTS & ACCESSORIES

| | |
|--------------|--|
| 800-101 | Replacement bulb, 115v 15 watt, D.C. medium bayonet base |
| 800-101-220v | Replacement bulb, 220v 15 watt, D.C. medium bayonet base |
| 800-001 | Replacement LED Bulb |
| 802-003 | Auto cutoff recharger |

Note: To provide optimum quality at lowest cost, models in this series cannot be changed or upgraded.

Subject to changes in material and design, equal to or exceeding those described above.



MODEL 106 w/mirror



MODEL 106 w/LED



Distributed by:

NATIONAL MODEL 106-L

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