



## **National Model 125-LED Monocular Microscope With Cordless LED Illumination**

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*See illustration on page 2.*

### **Full-Function Microscopy Without Need of A Power Outlet or Cord.**

Great for high schools labs or field use. The extra efficient, heat free LED illumination, equal to a 20 watt bulb, operates on rechargeable batteries, allowing complete freedom from cords and outlets. Included recharger plugs into standard wall outlet, cuts off automatically when batteries are fully charged, eliminating need for expensive recharger stations. Includes all the most commonly specified microscope features. Rugged metal construction, locked-on parts, superior DIN optical system, precision mechanical components assure parfocussed and parcentered optical alignment for unsurpassed viewing.

#### **OPTICAL SYSTEM**

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

#### **ILLUMINATION**

- LED light, rated up to 100,000 hours life, illumination equal to 20 watt tungsten bulb, totally heat free.
- Rechargeable AA nickel metal hydride batteries can be recharged up to 1000 times, each 8 hour charge providing up to 50 hours operation, total of 40,000 to 50,000 hours use from each set of 3.
- Included recharger shuts off when batteries are fully charged, indicator light turns from red to green. Eliminates danger of overcharging and shortening battery life, without need of expensive recharger station. Plugs into wall outlet or multiple outlet power strips available from any store.
- Also permits conventional light operation by plugging into regular wall outlet.
- Rheostat intensity control

#### **FOCUSING**

- Low position coarse and fine focusing controls, stage moves up or down, body remains 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 clips, drilled and tapped to accept optional mechanical stage. Substage disc diaphragm.
- Built-in condenser lens.

#### **FRAME**

- Rugged cast metal, gray enamel finish. Height 380mm (15 in.) Net wt. 9.0 lbs.

#### **PACKING**

- Molded styrofoam container with instruction brochure and vinyl dustcover
- Individual: Ship wt. 11 lbs,
- Master carton pack 3 each: Ship wt. 34 lbs

#### **WARRANTY**

- Limited lifetime warranty, excluding LED bulb, batteries, and recharger.

#### **PARTS & ACCESSORIES**

- 965-160 Eyepiece reticle, 10mm/100 divisions
- 802-003 Replacement recharger.

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



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