



# NATIONAL

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

## MODEL 125, 126

**Monocular Microscope with  
Cordless LED Illumination**

Great for high school labs or field use. The energy 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 the need for expensive recharger stations. Includes all the commonly specified microscope features. Rugged metal construction, locked-on parts, DIN optical system, parfocalled and parcentered optical alignment for unsurpassed viewing.

### OPTICAL SYSTEM

- Widefield 10x eyepiece with revolving pointer. Accepts optional #965-160 eyepiece reticle.
- 45° inclined monocular viewing head rotates 360° for easy sharing by multiple students.
- DIN objectives 4x, 10x, 40xR, (Model 126 includes 100xR) are achromatic, parfocalled, parcentered, and color coded
- 3-hole (4-hole, model 126) objective turret, ball-bearing mounted for smooth, precise changes in magnification.

### FOCUSING

- Low position coarse and fine focusing controls (Model 125).
- Low position coaxial coarse and fine focusing (Model 126).
- Tension adjustment eliminates stage drift.
- Safety rack stop prevents damage to slides and objective lenses.
- Slip clutch prevents damage to focusing system.

### ILLUMINATION

- Cool running LED light rated up to 50,000 hours of life.
- Rechargeable AA nickel metal hydride batteries can be recharged up to 1000 times.
- 8 hour charge provides up to 50 hours of use.
- Rheostat intensity control.
- Recharge adapter shuts off when batteries are fully charged to prevent overcharging and permits conventional light operation by plugging into an electrical outlet.

### WARRANTY

- Lifetime limited warranty, excluding LED bulb, batteries, and recharger



(Model 125)



(Model 126)

# National Model 125,126

Specifications	
Eyepiece	10x, 18mm, with pointer
Head	45° inclined monocular viewing head, rotates 360°
Nosepiece	3-hole (4-hole, model 126) , click stop, ball-bearing mounted
Objectives	DIN, achromat, 4x (0.10 N.A.), 10x (0.25 N.A.), 40xR (0.65 N.A.) (100xR (1.25 N.A.) included on model 126)
Stage	4 3/8 in. x 4 3/4 in. (110mm x 120mm) stage, with locked-on spring mounted stage clips, drilled and tapped to accept optional mechanical stage (Model 125). 5 in. x 5 1/4 (130mm x 135mm) stage, with low-profile mechanical specimen holder and low-position coaxial x-y controls (Model 126).
Condenser	1.25 N.A. Abbe condenser with spiral mount and iris diaphragm
Focusing	Separate coarse and fine controls with tension adjustment and slip clutch (Model 125) Coaxial coarse and fine controls with tension adjustment and slip clutch (Model 126)
Illumination	LED
Electrical	3 rechargeable AA nickel metal hydrate (can be recharged up to 1000 times)
Height/ Weight	15 in. (380mm)/ 9 lbs (4 kgs)

Parts and Accessories	
800-001	Replacement LED bulb
802-003	Replacement charger
965-160	Eyepiece reticle, 10mm/100 div.

**PACKING:**

- Individual: Ship wt. 11 lbs (5 kgs)
- Master carton pack 3 each: Ship wt. 34 lbs (15.4 kgs)



**National Optical & Scientific Instruments, Inc.**

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**ISO 9001:2000 Certified**  
**ISO 14001:2001 Certified**