



**NATIONAL**

[www.nationaloptical.com](http://www.nationaloptical.com)

## **National 205 and 210 Series Precision Optics at an Affordable Price**



# National Model 215

**Advanced Biological Binocular microscope with precision optics. For use by students or professionals. Model 215 has a Seidentopf head for comfortable viewing, coaxial focusing, low drive mechanical stage and LED illumination with conveniently located intensity control. LED light rated up to 50,000 hours.**

- Widefield 10x eyepieces with pointer.
- 30° inclined binocular Seidentopf viewing head. Rotates 360° for easy sharing by more than one student.
- DIN standard 4x (0.10 N.A.), 10x (0.25 N.A.), 40xR (0.65 N.A.) and 100xR (1.25 N.A.) objectives are supplied for 40x, 100x, 400x and 1000x magnification. All are achromatic, parfocalled, parcentered and color-coded.
- Quad objective turret is ball-bearing mounted for smooth, precise positioning of objectives, features textured rubber knurling for easy grip. Mounted in reverse position to facilitate ease in changing slides.
- Coaxial coarse and fine focusing controls, coarse has tension adjustment, fine is graduated.



■ National 215

# National Models 210, 211, 212

**A new standard of precision optics, highly engineered mechanics and very rugged construction, all at little more cost than a budget microscope. The corded LED illumination system provides optimum image brightness, and virtually no bulb heat .**

- Widefield 10x eyepiece with pointer.
- 45° inclined monocular viewing head rotates 360° for easy sharing by more than one student.
- DIN standard achromat 4x, 10x and 40xR objectives are supplied for 40x, 100x and 400x magnification. Model 212 also includes 100xR oil immersion lens.
- Model 210 has a 3-hole objective turret (Models 211 and 212 have a 4-hole objective turret), reverse position, ball-bearing mounted for smooth, precise changes in magnification.
- Built-in corded, long life, LED illumination with intensity control. LED illumination. Bulb rated at 50,000 hours.
- Separate low position coarse and fine focusing controls.
- Model 210 available with mounted clips or add on mechanical stage.
- Models 211 and 212 have a large 135mm x 135mm stage, with low profile mechanical specimen holder and low-position coaxial x-y controls.
- Model 210 has a 0.65 condenser. Models 211 and 212 have a 1.25 N.A. Abbe condenser with spiral focusing mount, iris diaphragm, swing-out filter holder and blue filter.



■ National 210

# National 205

## Compact yet Powerful

National's 205 is an ideal microscope for teaching microscopy to primary levels or for the hobbyist. Model 205 is a monocular microscope that supports an 18mm field of view, similar to larger and more expensive models.

### FEATURES:

**Easy grip design to enhance easy handling within classrooms**

**Low position focusing controls**

**State of the Art LED illumination**

**Patented 1-touch stage clip enables easy change of slides**

**Inward facing nosepiece provides maximum operating space**

- 185 mm Focal Length
- 45° inclined monocular
- WF10X/18mm eyepieces
- 4x,10x,40x objectives
- Separate coarse and fine focus
- 70mW/3.5v LED illumination w/intensity control



■ National 205

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