



## NATIONAL MODEL 186, 187, 188 & 189 SHOP MICROSCOPE SERIES

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See illustration on page 2.

Compact design and precision optics combine in this indispensable shop tool. Small size and rugged carrying case make it easy to take anywhere on the job. Four models provide a choice of four different magnifications. Each has the following features:

### OPTICAL SYSTEM

- WF10x eyepiece with direct reading reticle (no calibration required). Eyepiece turns to permit sharp focus of reticle scale.
- Each model includes both inches and metric scales.
- See chart below for magnification and other optical specifications.

### ILLUMINATION

- Penlight illuminator in swivel mount. Requires 2 AA batteries, included.

### FOCUSING

- Rack & pinion focusing with dual focusing knobs.

### FRAME

- Cast aluminum, gray enamel finish.
- Height 230mm (9 in.). Net wt. .64 kgs (1.4 lbs).

### PACKAGING

- Rugged, molded black plastic case with latch and carrying handles. Interior is fitted to securely accommodate microscope in place.
- Includes instruction brochure, dustcover and 2 AA batteries.
- Individual: Ship wt. 2.3 kgs (5 lbs),
- Master carton pack 10 each: Ship wt. 16.8 kgs (37 lbs),

### WARRANTY

- 5-year limited warranty, excluding penlight and batteries.

MODEL NO.	MAGNIFICATION	METRIC SCALE	INCH SCALE	FIELD DIAMETER	WORKING DISTANCE
186	20x	0.06mm x 100	0.003" x 100	9.0mm	23mm
187	40x	0.03mm x 100	0.0015" x 100	4.5mm	23mm
188	60x	0.02mm x 100	0.001" x 100	3.0mm	23mm
189	100x	0.01mm x 100	0.0005" x 100	1.8mm	12.0mm

### PARTS & ACCESSORIES:

- 610-186 WF10x Eyepiece with reticle, for Model 186
- 610-187 WF10x Eyepiece with reticle, for Model 187
- 610-188 WF10x Eyepiece with reticle, for Model 188
- 610-189 WF10x Eyepiece with reticle, for Model 189
- 610-190 WF10x Eyepiece without reticle
- 702-186 2x objective for Model 186
- 704-187 4x objective for Model 187
- 706-188 6x objective for Model 188
- 710-189 10x objective for Model 189
- 904 Penlight illuminator (batteries not included in replacement penlight)



NATIONAL MODEL 187

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Sales: 888-777-8835 • Email: [sales@m-depot.com](mailto:sales@m-depot.com)

Main: 209-839-2990 • Fax: 209-839-2999

<http://www.microscope-depot.com>