

TRINOCULAR MICROSCOPE

MODEL A-01630 (achromatic objectives) See illustration on page 2.

MODEL A-01631 (super contrast objectives)

MODEL A-01633 (plan objectives)

Superior in design and in performance, the A series incorporates a wide range of features designed for university and laboratory use. Superb optical clarity and reliable mechanical engineering assure years of top performance. Choose from three grades of objective lenses: Standard achromatic lenses deliver excellent clarity and normal flatness of field; Super contrast lenses deliver extra image contrast; Plan achromatic lenses for superior clarity and flatness of field.

OPTICAL SYSTEM

- Widefield 10x /18mm eyepiece, pointer standard in one eyepiece. Accepts optional #S-05200 eyepiece reticle.
- Trinocular viewing head with 30° inclined binocular eyepieces with dual diopters and interpupillary adjustment 54mm to 76mm, and vertical monocular tube with third eyepiece, rotates 360°. Vertical tube removes to permit mounting optional SLR or video adaptors. 3-position sliding rod directs light 100% to binocular eyepieces, or 100% to vertical tube, or 70% to vertical tube and 30% to binocular eyepieces.
- DIN standard 4x (0.10 N.A.), 10x (0.25 N.A.), 40xR (0.65 N.A.) and 100xR oil immersion (1.25 N.A.) objectives. Choose from achromatic, super contrast, or plan. All are 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.

ILLUMINATION

- 12v 20 watt halogen with variable rheostat control.
- Illuminated on/off switch, 3-wire grounded cord and plug.
- 0.5A time delay fuse.

FOCUSING

- Coaxial coarse and fine focusing controls, coarse has tension adjustment, fine is graduated.

STAGE

- Large 140mm x 135mm (5-1.2 in. x 5-1/4 in.) stage; built-in, low profile, ball-bearing mounted mechanical specimen holder with low-position coaxial controls, 70mm (x) by 50mm (y) movement with graduations of 0.1mm.
- 1.25 N.A. Abbe condenser has rack & pinion focusing, iris diaphragm, swing-out filter holder with clear blue, green and yellow filters supplied.

FRAME

- Rugged cast aluminum, gray enamel finish.
- Base dimensions: 185mm x 235mm (7-1/4 in. x 9-1/4 in.)
- Height : Inclined eyepiece, 380mm (15 in.). Net wt. 7.2 kgs (15.8 lbs).
Vertical eyepiece, 455mm (18 in.).

PACKING

- Head and frame in separate molded styrofoam container with instruction brochure and vinyl dustcover.
- Individual: Ship wt. 8.6 kgs (19 lbs), Dimensions 550x325x325mm (22x13x13 in.)
- Master carton pack 1 each: Ship wt. 8.6 kgs (19 lbs), Dimensions 550x325x325mm (22x13x13 in.)

WARRANTY

- Lifetime limited warranty, excluding bulb, cord, and fuse.

PARTS & ACCESSORIES

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|---------|--------------------------------------------------------------------------------------------|
| S-05707 | Replacement bulb, 12v 20 watt halogen bi-pin |
| S-05101 | Video C-mount adaptor with 0.5x lens (fits Models A-01630, A-01631, A-01633, A-01634 only) |
| S-05300 | SLR adaptor with 2.5x photo lens (fits Models A-01630, A-01631, A-01633, A-01634 only) |
| S-05200 | Eyepiece reticle, 10mm/100 div. |



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