

MICROSCOPES

MICROZOOM® II

MODEL 31-19-50-26

- MicroZoom® II Body
- Photobinocular H.P.* Beam Dividing head
- 10 x H.P. Wide Field Eyepieces (pair)
- Quadruple Centerable Nosepiece
- 2.25 x H.P. Objective
- 8 x H.P. Objective
- 25 x H.P. Objective
- Tungsten-Halogen H.P. Illuminator (20W)
- Coarse and Fine Focusing Block
- Continuously Variable Transformer

LONG WORKING DISTANCE OBJECTIVES

Provide a minimum of 0.51 in. (12.9mm) working distance between standard objectives and device under test. 0.49 in. (12.5mm) minimum working distance with optional 50X objective.

BRIGHT FIELD ILLUMINATION

Bright field vertical illuminator, reflecting design with twice the light.

CAMERA PORT

Balplan Photobinocular Beam Dividing Head provides capability of adding CCTV or photomicrography kits.

WIDE MAGNIFICATION RANGE

Three standard objectives (2.25X, 8X, 25X) provide a magnification range of 22.5X to 500X when used with 10X eyepieces and 1:2X zoom system. Optional 50X objective provides 1000X magnification with 10X eyepieces.

ERECT IMAGE

Corrects for reversal inherent in metallurgical microscopes.



ACCESSORIES

31-15-62-02:

15X Wide Field Eyepieces (pair)

31-15-64-02

20X Wide Field Eyepieces (pair)

31-13-85:

50X H.P. Objective

42-12-45-01:

CCTV Adapter, 1 in.

31-30-14:

Amplifier Attachment

42-12-47-37:

Polaroid Camera Kit, 3-3/4 x 4-1/4

42-12-47-28:

Polaroid Camera Kit, 4 x 5 less 42-16-20 Film Holder

31-34-70:

Blue Filter, 2 in. diameter

31-35-61:

Green Filter, 2 in. diameter

31-31-81-01:

Illuminator Bulb, spare

*High Performance: Improvement over MZI

TABLE OF RESULTANT MAGNIFICATION

Objective	Characteristic	Eyepieces		
		10X	15X	20X
2.25X 0.042 NA	Magnification Working Distance Field of View	22.5X-45X 1.16 in. (29.5mm) 0.34 in.-0.18 in. (8.76mm-4.6mm)	33.75X-67.5X 1.16 in. (29.5mm) 0.28 in.-0.14 in. (7.20mm-3.50mm)	45X-90X 1.16 in. (29.5mm) 0.22 in.-0.11 in. (5.50mm-2.90mm)
8X 0.15 NA	Magnification Working Distance Field of View	80X-160X 0.78 in. (19.9mm) 0.10 in.-0.05 in. (2.54mm-1.39mm)	120X-240X 0.78 in. (19.9mm) 0.08 in.-0.04 in. (2mm-0.93mm)	160X-320X 0.78 in. (19.9mm) 0.09 in.-0.03 in. (1.52mm-0.80mm)
25X 0.31 NA	Magnification Working Distance Field of View	250X-500X 0.51 in. (12.9mm) 0.03 in.-0.02 in. (0.80mm-0.43mm)	375X-750X 0.51 in. (12.9mm) 0.02 in.-0.01 in. (0.6mm-0.30mm)	500X-1000X 0.51 in. (12.9mm) 0.02 in.-0.01 in. (0.49mm-0.26mm)
50X 0.45 NA	Magnification Working Distance Field of View	500X-1000X 0.49 in. (12.5mm) 0.02 in.-0.01 in. (0.40mm-0.20mm)	750X-1500X 0.49 in. (12.5mm) 0.01 in.-0.006 in. (0.3mm-0.15mm)	1000X-2000X 0.49 in. (12.5mm) 0.01 in.-0.005 in. (0.25mm-0.125mm)

MM THE
MICROMANIPULATOR
COMPANY, INC.

2801 Arrowhead Drive
Carson City, Nevada 89706

Tel: 702/882-2400
Tel: 800/654-5659
Tlx: 170022 CCSS CARS
FAX: 702/882-7694

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