





The fusion of simplicity and precision for analytical probing productivity

The New A-Zoom Micro represents the latest addition to the time-tested line of A-Zoom probing microscopes. Designed for streamlined operation and compact integration onto a multitude of probing stations, the A-Zoom Micro offers a high-value solution for circuit board, semiconductor and flat-panel display probing without sacrificing features, function or performance.

With a 7:1 manual zoom range, the A-Zoom Micro when equipped with a single Optem 10X Objective, covers the available magnification range of existing multiple-objective microscopes... and provides imaging access for all fields-of-view in between. On-board LED illumination offers finite adjustability, extended service life, and crisp contrast for crystal-clear imaging.

Choose from a variety of objectives and head/eyepiece options to meet specific imaging needs, and offer greater viewing comfort, flexibility and productivity. The compact, ergonomic design affords 360° access for prober tips and keeps all controls in convenient reach of the operator for maximum imaging throughput.



Camera Flexibility

Standard 38mm ISO port provides camera flexibility to meet most any prober imaging requirement.

Matching Fields

Achieve matching eyepiece and on-screen fields-of-view across the entire 7:1 zoom when you equip your standard *A-Zoom Micro* with 1/2-inch cameras.

On-board LED Illumination

Adjustable 10-watt LED provides crisp contrast for both eyepiece and video viewing without the need for external light source.

Heavy-Duty Focus Block

The Heavy-duty focus block offers 50mm precision travel to establish fine-focus and provide a stable mounting interface for most any probe station.

Single-Objective Design

In keeping with its field-proven heritage, A-Zoom Micro features a space efficient and user friendly single-objective design to

eliminate cumbersome nose turret manipulation and improve throughput. Select from a wide range of Optem Objectives to meet your specific requirements.

optimized for (se

(see back page)







with a generous 95mm parfocal distance from objective shoulder to object plane.

A-Zoom Micro Configuration Options

A-ZOOM	MICRO HEAD	AND EYEPIECE	OPTIONS

58-01-00-000 Fixed **Trinocular** Head (38mm ISO port), 2.75X, 78mm eyepiece extender

58-01-25-000 Fixed **Trinocular** Head (38mm ISO port), 2.75X, 130mm eyepiece extender

58-01-50-000 Fixed **Trinocular** Head (38mm ISO port), 1.8X, 35mm eyepiece extender

58-02-00-000 Fixed Binocular Head,

2.75X, 78mm eyepiece extender

58-02-25-000 Fixed **Binocular** Head,

2.75X, 127mm eyepiece extender

58-02-50-000 Fixed **Binocular** Head,

1.8X, 35mm eyepiece extender

58-03-00-000 Tilting Trinocular Head,

2.75X, 127mm Erecting eyepiece extender

58-03-25-000 Tilting Binocular Head

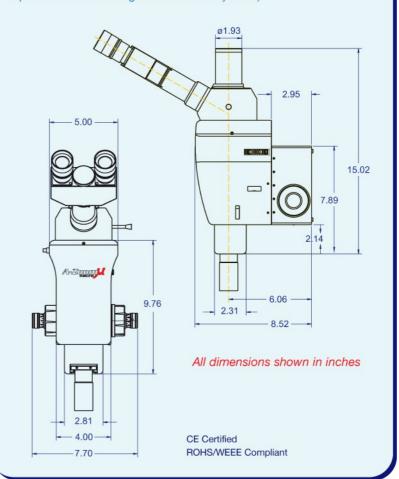
2.75X, 127mm Erecting eyepiece extender

58-04-00-000 38mm ISO Camera port ONLY

SPECIFY THE OPTEM OBJECTIVE TO MEET YOUR SPECIFIC IMAGING NEEDS. (Refer to back page)

System Dimensions (58-01-00-000 shown with

Optem 10X/0.45NA high-Resolution Objective)





GRENOBLE - FRANCE

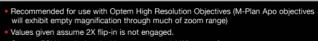
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A-Zoomµ Performance Specifications

Infinity-Corrected Objective	Working Distance	Visual Magnification	Visual Field-of-View (Ø)	Video Field-of-View Low High
Optem 5X High Res 28-20-44-000	34mm	54X-381X	4.0-0.58mm	2.4x3.2 - 0.35x0.46mm
Optem 10X High Res 28-20-45-000	19mm	109X-762X	2.0-0.29mm	1.2x1.6 - 0.17x0.23mm
Optem 20X High Res 28-20-46-000	13mm	218X-1525X	1.0-0.14mm	0.6x0.8 - 0.09x0.12mm
Optem 2x M-Plan Apo 28-21-02-000	34mm	22X-152X	10.1-1.44mm	6.1x8.1 - 0.87x1.15mm
Optem 5x M-Plan Apo 28-21-05-000	34mm	54X-381X	4.0-0.58mm	2.4x3.2 - 0.35x0.46mm
Optem 10x M-Plan Apo 28-21-10-000	34mm	109X-762X	2.0-0.29mm	1.2x1.6 - 0.17x0.23mm
Optem 20x M-Plan Apo 28-21-11-000	20mm	218X-1525X	1.0-0.14mm	0.6x0.8 - 0.09x0.12mm
Optem 50x M-Plan Apo 28-21-50-000	13mm	545X-3812X	0.4-0.06	0.24x0.32 - 0.03x0.05



- Camera FOV is calculated with recommended 1/2" sensor format
- When using Widefield eyepiece adapter, Visual FOV is increased by 1.5X factor
 When using Optem 0.67X DC coupler, Camera FOV is increased by 1.5X factor



HIGH-RESOLUTION OBJECTIVES

28-20-44-000	5X / 0.225NA / 34mm WD
• 28-20-45-000	10X / 0.45NA / 19mm WD
• 28-20-46-000	20X / 0.60NA / 13mm WD

M-PLAN APO, LONG-WORKING OBJECTIVES

• 28-21-02-000	2X / 0.055NA / 34mm WD
• 28-21-05-000	5X / 0.14NA / 34mm WD
• 28-21-10-000	10X / 0.30NA / 34mm WD
• 28-21-11-000	20X / 0.42NA / 20mm WD
• 28-21-50-000	50X / 0.55NA / 13mm WD

