

# 2034 Style Microscope Operating Instructions

Thank you for your purchase of this 2034 Style Microscope. Each unit conveniently includes a dual inch/metric zero-center scale. Both are included in one unit without having to switch eye pieces. Coated lenses produce high-contrast images. Useful in a wide variety of inspection and measuring applications including Offset and Flexo printing, PC Board manufacturing, as well as many other scientific and industrial applications.

- Portable, compact, and light weight
- Smooth helicoid focusing mechanism
- Soft rubber eye cup for viewing comfort
- Eyepiece rotates 360° to position reticle
- Clear acrylic base admits light from all directions, includes side opening for access
- Depth measurement possible by using graduated metric dial on focusing ring [1 Div = 0.1mm]
- Available in either 20x, 40x, 60x or 100x magnifications
- Choose classic LED Penlight or new LED Base [Batteries included for both styles\*\*]

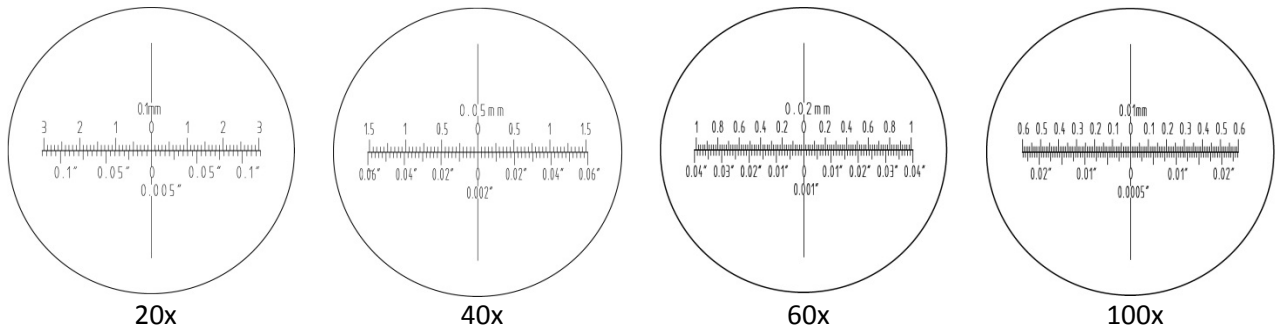
Packed in padded box.

## Specifications:

Part #	Power	Description	Field of View	Scale Divisions	Measuring Range	LIGHT
OPT-C203420	20X	Wide Stand Scope	.230" 6.0 mm	0.005" 0.1 mm	+/- .115" +/- 3.0 mm	LED Penlight
OPT-C203440	40X	Wide Stand Scope	.118" 3.0 mm	0.002" 0.05 mm	+/- .059" +/- 1.5 mm	LED Penlight
OPT-C203460	60X	Wide Stand Scope	0.078" 2.0 mm	0.001" 0.02 mm	+/- 0.039" +/- 1.0 mm	LED Penlight
OPT-C2034100	100X	Wide Stand Scope	0.045" 1.2 mm	0.0005" 0.01 mm	0.0225" +/- 0.60 mm	LED Penlight
OPT-C2034LED20	20X	Wide Stand Scope	.230" 6.0 mm	0.005" 0.1 mm	+/- .115" +/- 3.0 mm	LED Base
OPT-C2034LED40	40X	Wide Stand Scope	.118" 3.0 mm	0.002" 0.05 mm	+/- .059" +/- 1.5 mm	LED Base
OPT-C2034LED60	60X	Wide Stand Scope	0.078" 2.0 mm	0.001" 0.02 mm	+/- 0.039" +/- 1.0 mm	LED Base
OPT-C2034LED100	100X	Wide Stand Scope	0.045" 1.2 mm	0.0005" 0.01 mm	0.0225" +/- 0.60 mm	LED Base

\*\*LED Penlight takes two AAA Batteries. LED Base takes 4 AG9 button cells.

## Reticles:



## Operating Instructions:

- Place microscope on surface to be observed making sure the surface is flat
- With light source on (as necessary) bring scale into focus using the Reticle Focusing Ring
- Using the Helicoid Focusing Ring bring the object into focus

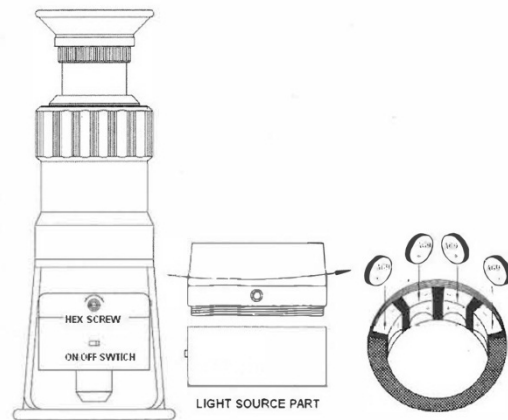
## Changing Batteries:

### Unit with LED Penlight:

- Unscrew the top of the Penlight (opposite end of the bulb) and insert a fresh AAA battery

### Unit with LED Base:

- Insert the hex wrench (provided) into the hex screw, turn it counter-clockwise to detach the light source.
- Once the light source is detached, take it apart by unscrewing the top portion from the bottom portion.
- Remove the old batteries and replace with 4 fresh AG9 1.5V batteries.
- Reassemble the light source and insert it into the body of the microscope using the hex wrench to lock it in place.



## Cautions:

- Avoid exposure to vibrations and shock
- Keep work environment clean and dry
- If lens needs cleaning use a lint free cloth
- Store in padded box when not in use
- Do not disassemble the microscope for any reason other than for changing batteries. If the unit malfunctions please contact your supplier.

## Warranty:

90-days against defects in manufacturing. It is the user's responsibility to determine the compatibility of this product with user's needs. Any damages arising from the use or inability to use this product are the responsibility of the user.