

## G380 Series Microscopes



See our portable battery-operated LED illuminator option on page 16

Actual Size: 9.5" x 7.5" x 16.0"  
 Shipping Dimension:  
 13.5" x 10.5" x 17.5"  
 Net Weight: 14.0 lbs  
 Shipping Weight: 18.0 lbs

The G380 combines state of the art design and features with the latest optical coating technologies for crisp, clear imaging on a versatile and ergonomic platform. All models in the G380 series feature "High-Eyepoint" 10x widefield eyepieces. This unique design allows users wearing glasses to comfortably view through the scope without removing their glasses as they would have to with traditional eyepieces.

Available with your choice of Monocular, Dual-View, Binocular, or Trinocular heads, all of which rotate 360°. Select from standard Achromat, Semi-Plan, or flat-field Plan achromat objectives.

Includes a focusable 1.25 NA Abbe condenser with Iris Diaphragm, oversized graduated coaxial coarse and fine focus controls, swing-out filter holder and a port to allow insertion of a Phase Annulus for Phase microscopy. A ball-bearing movement mechanical stage is also standard with low position coaxial controls.

Halogen illumination with intensity rheostat allows bright clear imaging and effective contrast control. Features an integrated dual voltage transformer (110V and 220V) and a detachable power cord so you can use this scope anywhere in the world.

Item No.	Description
G380	Binocular Microscope with Achromat Objectives
G380SP	Binocular Microscope with Semi-Plan Objectives
G380PL	Binocular Microscope with Plan Objectives
G381	Monocular Microscope with Achromat Objectives
G381SP	Monocular Microscope with Semi-Plan Objectives
G381PL	Monocular Microscope with Plan Objectives
G382	Dual Head Microscope with Achromat Objectives
G382SP	Dual Head Microscope with Semi-Plan Objectives
G382PL	Dual Head Microscope with Plan Objectives
G383	Trinocular Microscope with Achromat Objectives
G383SP	Trinocular Microscope with Semi-Plan Objectives
G383PL	Trinocular Microscope with Plan Objectives
G380-8010	Camera Adapter with T-Mount (Trinoc models)
G380-8020	Video Adapter with C-Mount (Trinoc models)
B6-7006	Halogen Bulb, 6 Volt / 20 Watt
B6-9005	Fuse, 1.5A, 250V
G380-8031	40X Semi-Plan Phase Objective & Slide-In Annulus
B6-8910	Optical Cleaning Kit

	G380	G380SP	G380PL	G381	G381SP	G381PL
<b>Head</b>	Binocular	Binocular	Binocular	Monocular	Monocular	Monocular
<b>Eyepiece</b>	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF Hi-EP	10X WF Hi-EP	10X WF Hi-EP
<b>Objectives</b>	4, 10, 40, 100X	4, 10, 40, 100X	4, 10, 40, 100X	4, 10, 40, 100X	4, 10, 40, 100X	4, 10, 40, 100X
	Achromat	Semi-Plan	Plan	Achromat	Semi-Plan	Plan
<b>Condenser</b>	NA 1.25	NA 1.25	NA 1.25	NA 1.25	NA 1.25	NA 1.25
<b>Diaphragm</b>	Iris	Iris	Iris	Iris	Iris	Iris
<b>Stage</b>	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
<b>Illumination</b>	Halogen	Halogen	Halogen	Halogen	Halogen	Halogen
<b>Bulb</b>	6 Volt/20 Watt	6 Volt/20 Watt	6 Volt/20 Watt	6 Volt/20 Watt	6 Volt/20 Watt	6 Volt/20 Watt
<b>Focusing</b>	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial



G381 with Monocular Head



G383 with Trinocular Head  
(shown with optional C-mount camera adapter)



G382 with Dual Head

## Specifications:

- **HEADS:** Available with Monocular, Binocular, Dual View or Trinocular heads with 52 – 75 mm interpupillary distance adjustment. All rotate 360°, and lock in-place with a thumbscrew
- **EYEPIECES:** Standard with 10x "High-Eyepoint" widefield oculars designed to improve viewing while wearing glasses. Reticules and Pointers available on request
- **OBJECTIVES:** All models feature DIN Standard 4x, 10x, 40xR and 100xR objectives. 40 and 100x objectives are "R", or Retractable. Options are: Achromat, Semi-Plan, or Plan Achromats. Simple Phase Contrast is available in 40x
- **OBJECTIVE Numerical Aperture:**  
 4x = NA 0.10    10x = NA 0.25  
 40x = NA 0.65    100x = NA 1.25
- **MAGNIFICATION:** With 10x eyepieces, standard magnification is 40x, 100x, 400x and 1,000x (Oil Immersion)
- **CONDENSER:** Features a focusable NA 1.25 Abbe condenser with port for optional Simple Phase Contrast Annulus insertion. Focusable with rack and pinion movement
- **STAND and Nosepiece:** Sturdy cast metal frame with polymer accent panels, designed to provide stability
- **STAGE:** Built-in Graduated Mechanical Stage with low-position coaxial X-Y controls. Ball bearing movement allows for smooth, precise adjustments. Stage size: 142 mm x 132 mm. Range of X-Y stage movement: 55 mm x 75 mm. Spring loaded slide holder
- **IRIS DIAPHRAGM:** Features adjustable Iris with metal leaf overlay design. Optical design allows for Blue and other filters to be mounted in the illuminator housing
- **FOCUSING:** Features smooth, extra-large graduated coaxial coarse and fine focus controls with tension adjustment to eliminate stage drift. Adjustable to your personal preferences
- **ILLUMINATION:** 6 Volt / 20 Watt Halogen light source standard, optional LED battery pack illuminator is available. Variable intensity rheostat wheel is located on the left side of the base
- **ELECTRICAL:** 110V- 60 Hz to 240V- 50 Hz, universal power supply. The fuse rating is 250V 1.5A
- Complete with dust cover, blue filter, two extra fuses and operation manual
- Five Year Limited Warranty, One Year on electrical system; excludes bulbs and fuses

	<b>G382</b>	<b>G382SP</b>	<b>G382PL</b>	<b>G383</b>	<b>G383SP</b>	<b>G383PL</b>
<b>Head</b>	Dual Head	Dual Head	Dual Head	Trinocular	Trinocular	Trinocular
<b>Eyeiece</b>	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(2)Hi-EP	10X WF(2)Hi-EP
<b>Objectives</b>	4,10,40,100X	4,10,40,100X	4,10,40,100X	4,10,40,100X	4,10,40,100X	4,10,40,100X
	Achromat	Semi-Plan	Plan	Achromat	Semi-Plan	Plan
<b>Condenser</b>	NA 1.25	NA 1.25	NA 1.25	NA 1.25	NA 1.25	NA 1.25
<b>Diaphragm</b>	Iris	Iris	Iris	Iris	Iris	Iris
<b>Stage</b>	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
<b>Illumination</b>	Halogen	Halogen	Halogen	Halogen	Halogen	Halogen
<b>Bulb</b>	6 Volt/20 Watt	6 Volt/20 Watt	6 Volt/20 Watt	6 Volt/20 Watt	6 Volt/20 Watt	6 Volt/20 Watt
<b>Focusing</b>	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial