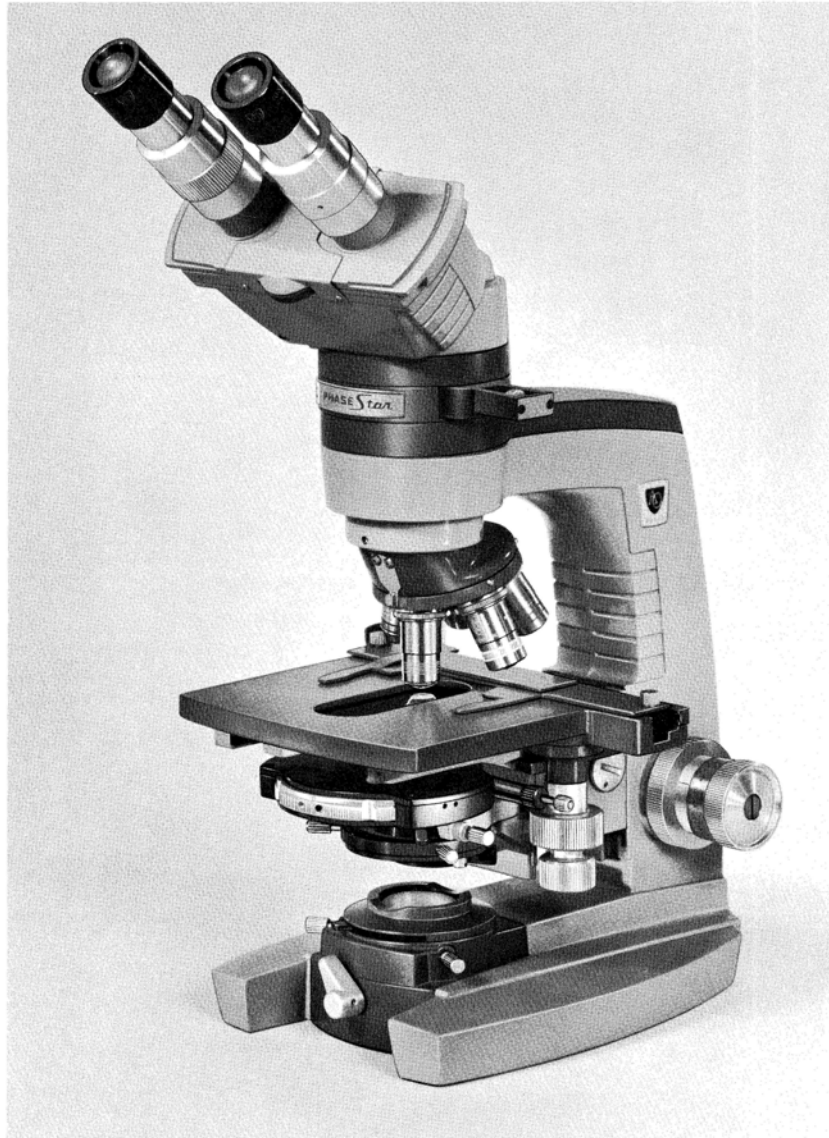


**PRICE LIST**  
**FOR SERIES 10 PHASESTAR**



**AMERICAN OPTICAL COMPANY**  
INSTRUMENT DIVISION • BUFFALO, NEW YORK 14215

## CODE FOR SERIES 10 PHASESTAR

### PREFIX



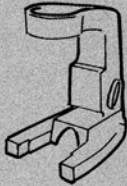
**L**

#1036A  
In-Base  
Illuminator  
and Transformer,  
#406 Blue Filter  
#408 Green Filter



**M**

#1038  
Mirror Assembly  
#406 Blue Filter  
#408 Green Filter



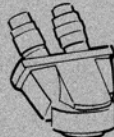
**10**

### BODY



**M**

#1041  
Monocular



**B**

#1042A  
Binocular



**T**

#1043A  
Trinocular

### STAGE



**U**

#1062 or 1063  
Ungraduated  
Mechanical  
Stage



**G**

#1064 or 1065  
Graduated  
Mech. Stage



**F**

#1061  
Micro-Glide

### HYPHEN

### P

- 1240 Phase Turret Condenser Mount and Accessory Case
- 1242 Standard Working Distance Condenser
- 1074 Quadruple Nosepiece
- 1265 Phase Telescope
- 176 or 1176 10X Wide Field Eyepiece(s) Phase Objectives and Annuli not incl.

### P4

- 1240 Phase Turret Condenser Mount and Accessory Case
- 1242 Standard Working Distance Condenser
- 1074 Quadruple Nosepiece
- 1224 10X Phase Obj., Dark Contrast
- 1225 20X Phase Obj., Dark Contrast
- 1238 45X Phase Obj., Dark Contrast
- 1227 100X Phase Obj., Dark Contrast
- 1247 10X Standard Phase Annulus
- 1248 20X Standard Phase Annulus
- 1249 45X Standard Phase Annulus
- 1250 100X Standard Phase Annulus
- 1245 Phase Aperture Viewing Unit
- 176 or 1176 10X Wide Field Eyepiece(s)

### P8

- Same as P4 PLUS:
- 1234 10X Phase Obj., Bright Contrast
  - 1235 20X Phase Obj., Bright Contrast
  - 1239 45X Phase Obj., Bright Contrast
  - 1237 100X Phase Obj., Bright Contrast

### \*P2

- 1240 Phase Turret Condenser Mount and Accessory Case
- 1242 Standard Working Distance Condenser
- 1105 Quintuple Nosepiece
- 1238 45X Phase Obj., Dark Contrast
- 1227 100X Phase Obj., Dark Contrast
- 1249 45X Standard Phase Annulus
- 1250 100X Standard Phase Annulus
- 1245 Phase Aperture Viewing Unit
- 1076 10X Achromatic Objective
- 1116 45X Achromatic Objective
- 1079 100X Achromatic Objective
- 176 or 1176 10X Wide Field Eyepiece

### \*P3

- 1240 Phase Turret Condenser Mount and Accessory Case
- 1242 Standard Working Distance Condenser
- 1073 Triple Nosepiece
- 1224 10X Phase Obj., Dark Contrast
- 1238 45X Phase Obj., Dark Contrast
- 1227 100X Phase Obj., Dark Contrast
- 1247 10X Standard Phase Annulus
- 1249 45X Standard Phase Annulus
- 1250 100X Standard Phase Annulus
- 1265 Phase Telescope
- 176 or 1176 10X Wide Field Eyepiece(s)

## PHASE OUTFITS for use with AO Series 10 Microscopes only

Prices listed are unit net consumer prices for quantities of 1-4. The purchase of five or more of any one Phase Outfit at one time qualifies for 10% quantity discount.

### PHASE OUTFIT 1240D

\$1224.00

Accessories include:

- 1240 Phase Turret Condenser Mount
- 1242 Standard Working Distance Phase Condenser
- 1224 10X Phase Objective, Dark Contrast
- 1225 20X Phase Objective, Dark Contrast
- 1238 45X Phase Objective, Dark Contrast
- 1227 100X Phase Objective, Dark Contrast
- 1247 10X Standard Phase Annulus
- 1248 20X Standard Phase Annulus
- 1249 45X Standard Phase Annulus
- 1250 100X Standard Phase Annulus
- 1245 Phase Aperture Viewing Unit

Above complete with accessory case

\$728.00

### PHASE OUTFIT 1240DB

Accessories include:

Same as Outfit 1240D, plus the following Bright Contrast Objectives:

- 1234 10X Phase Objective, Bright Contrast
- 1235 20X Phase Objective, Bright Contrast
- 1239 45X Phase Objective, Bright Contrast
- 1237 100X Phase Objective, Bright Contrast

Above complete with accessory case

### PHASE OUTFIT 1240PA\*

Accessories include:

- 1240 Phase Turret Condenser Mount
- 1242 Standard Working Distance Condenser
- 1224 10X Phase Objective, Dark Contrast
- 1238 45X Phase Objective, Dark Contrast
- 1227 100X Phase Objective, Dark Contrast
- 1247 10X Standard Phase Annulus
- 1249 45X Standard Phase Annulus
- 1250 100X Standard Phase Annulus
- 1265 Phase Telescope

Above complete with accessory case

\$553.50

### PHASE OUTFIT 1246PL\*\*

Accessories include:

- 1246 Single Annulus Phase Condenser Mount
- 1243 Intermediate Working Distance Condenser
- 1238 45X Phase Objective, Dark Contrast
- 1249 45X Standard Phase Annulus
- 1265 Phase Telescope

\$267.50

### PHASE OUTFIT 1246 PM\*\*\*

Accessories include:

- 1246 Single Annulus Phase Condenser Mount
- 1242 Standard Working Distance Condenser
- 1227 100X Phase Objective, Dark Contrast
- 1250 100X Standard Phase Annulus
- 1265 Phase Telescope

\$ 324.50

\* Recommended for educational work. To "student-proof" microscope to insure correct alignment, see note on Special Accessories available on back page.

\*\* Specifically tailored to meet the requirements of Hematology, particularly for platelet count.

\*\*\* Recommended for Microbiology.

**\*\*PL**

- 1246 Single Annulus Phase Cond. Mount
- 1243 Intermediate Working Distance Condenser
- 1073 Triple Nosepiece
- 1238 45X Phase Obj., Dark Contrast
- 1249 45X Standard Phase Annulus
- 1076 10X Achromatic Objective
- 1079 100X Achromatic Objective
- 1265 Phase Telescope
- 176 or 1176 10X Wide Field Eyepiece(s)

**\*\*\*PM**

- 1246 Single Annulus Phase Condenser Mount
- 1242 Standard Working Distance Condenser
- 1074 Quadruple Nosepiece
- 1227 100X Phase Objective, Dark Contrast
- 1250 100X Standard Phase Annulus
- 1076 10X Achromatic Objective
- 1116 45X Achromatic Objective
- 1079 100X Achromatic Objective
- 1265 Phase Telescope
- 176 or 1716 10X Wide Field Eyepiece(s)

\* P2 and P3 are designed and recommended for educational work at the university level, particularly for advanced courses and graduate study.

\*\* PL is specifically tailored to meet the requirements of Hematology, particularly for platelet count and Hemopathology.

\*\*\* PM is recommended for Microbiology.

The definitive difference is **PHASEstar**

**Series 10 Phase Microscope Models**

**CATALOG NUMBER and PRICE\***

\* Prices shown are unit net consumer prices for quantities of 1-4. Microscopes having the same basic catalog number, e.g. #10 Phase-stars and Microstars, may be combined in quantity of five or more to qualify for 10% discount when ordered at one time.

**MONOCULARS**

L10MU - P .....	\$ 616.50	M10MU - P .....	\$ 510.50
L10MU - P3 .....	962.50	M10MU - P3 .....	856.50
L10MU - PM .....	902.00	M10MU - PM .....	796.00
L10MF - P .....	571.00	M10MF - P .....	465.00

**BINOCULARS**

L10BU - P .....	\$ 891.50	M10BU - P .....	\$ 785.50
L10BU - P4 .....	1,416.50	M10BU - P4 .....	1,310.50
L10BU - P2 .....	1,409.00	M10BU - P2 .....	1,303.00
L10BU - PL .....	1,066.50	M10BU - PL .....	960.50
L10BU - PM .....	1,177.00	M10BU - PM .....	1,071.00

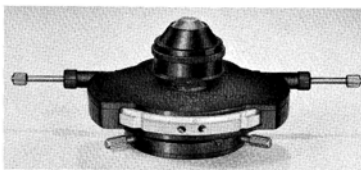
**TRINOCULARS**

L10TU - P4 .....	\$1,459.50	M10TU - P4 .....	\$1,353.50
L10TU - P8 .....	1,955.50	M10TU - P8 .....	1,849.50
L10TG - P4 .....	1,481.00	M10TG - P4 .....	1,375.00
L10TG - P8 .....	1,977.00	M10TG - P8 .....	1,871.00

**PRICES FOR AO PHASE OBJECTIVES, PARTS, COMPONENTS**

**PHASE OBJECTIVES**

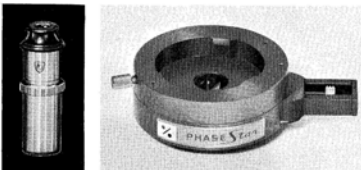
Catalog Number	Description	Price 1-4
1224	10X Phase Objective, Dark Contrast	\$ 65.00
1225	20X Phase Objective, Dark Contrast	103.00
1238	45X Phase Objective, Dark Contrast	103.00
1227	100X Phase Objective, Dark Contrast	160.00
1229	100X Phase Objective, B-minus Contrast	182.00
1234	10X Phase Objective, Bright Contrast	76.00
1235	20X Phase Objective, Bright Contrast	119.00
1239	45X Phase Objective, Bright Contrast	119.00
1237	100X Phase Objective, Bright Contrast	182.00



**PHASE CONDENSER MOUNTS**

Annular diaphragms and condensers not included

Catalog Number	Description	Price 1-4
1240	Phase Turret Condenser Mount with annular diaphragm and condenser centering wrenches, iris diaphragm, # 1672 accessory case	\$126.00
1246	Single Annulus Phase Condenser Mount with annular diaphragm and condenser centering wrenches, iris diaphragm. (Condenser and Annular Diaphragm extra)	80.00
1241	Phase Single Condenser Mount with annular diaphragm centering wrenches, # 1671 accessory case. (Condenser and Annular Diaphragm extra)	68.00



**CONDENSERS**

Catalog Number	Description	Price 1-4
1242	Standard Working Distance Phase Condenser	\$ 38.00
1243	Intermediate Working Distance Phase Condenser, 3mm (air)	38.00
1244*	Long Working Distance Phase Condenser, 15mm (air)	35.00

\*For use with #1251, #1252 annular diaphragms only.

**PHASE ANNULAR DIAPHRAGMS**

Catalog Number	Description	Price 1-4
1247	10X Standard Phase Annulus	\$ 7.50
1248	20X Standard Phase Annulus	7.50
1249	45X Standard Phase Annulus	7.50
1250	100X Standard Phase Annulus	7.50
1251	10X Long Working Distance Phase Annulus for #1244 Condenser	11.00
1252	20X Long Working Distance Phase Annulus for #1244 Condenser	11.00

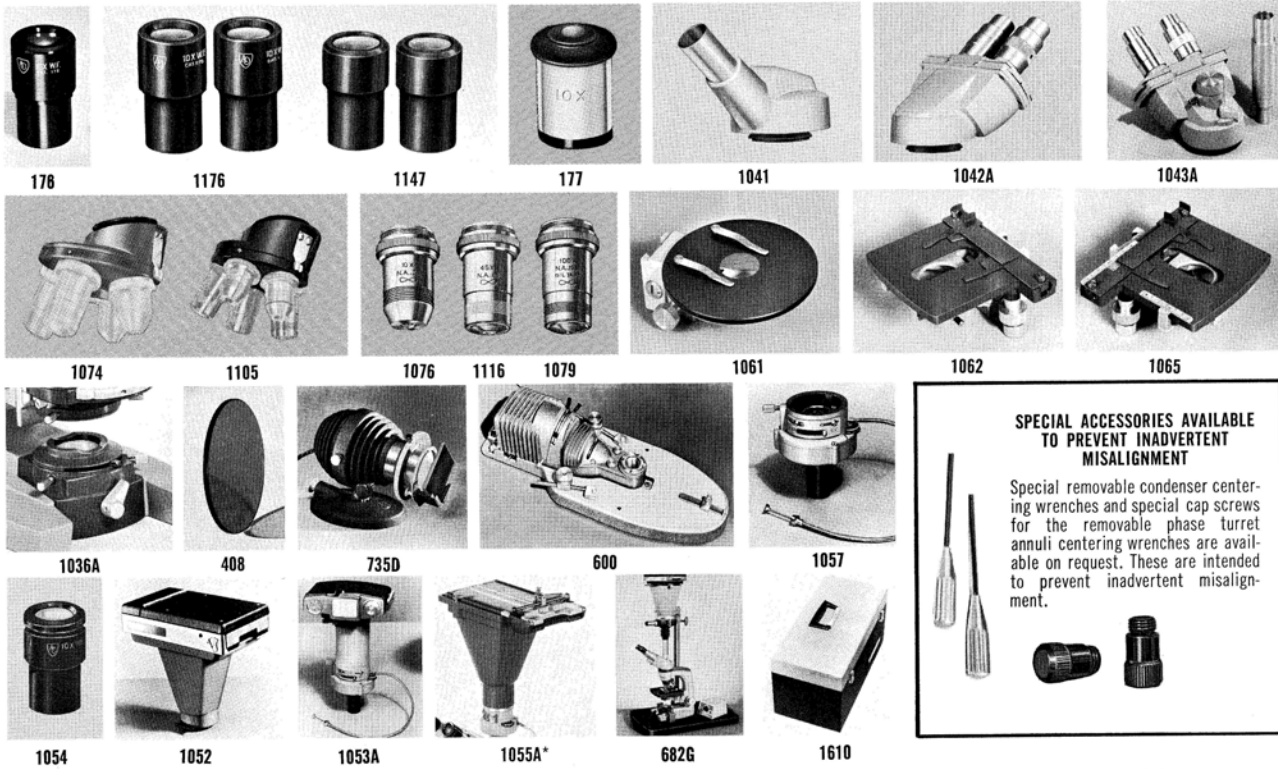
**APERTURE VIEWING UNIT AND TELESCOPE**

Catalog Number	Description	Price 1-4
1245	Phase Aperture Viewing Unit	\$103.00
1265	Phase Telescope (formerly #1000900)	39.00

# ALTERNATE PARTS and ACCESSORIES

For use with AO Series 10, Only

CATALOG NUMBER, DESCRIPTION and PRICE



**SPECIAL ACCESSORIES AVAILABLE TO PREVENT INADVERTENT MISALIGNMENT**

Special removable condenser centering wrenches and special cap screws for the removable phase turret annuli centering wrenches are available on request. These are intended to prevent inadvertent misalignment.

	Price 1-4
<b>EYEPIECES</b>	
176 10X Wide Field, single .....	\$ 21.00
1176 10X Wide Field, pair .....	42.00
147 15X Wide Field, single .....	20.00
1147 15X Wide Field, pair .....	40.00
177 10X Huygenian, single .....	11.00
1177 10X Huygenian, pair .....	22.00
<b>BODIES</b>	
1041 Inclined Monocular Body "M" .....	27.00
1042A Inclined Binocular Body "B" with convergent eyetubes .....	291.00
1043A Inclined Trinocular Body "T" with convergent eyetubes .....	334.00
<b>NOSEPIECES</b>	
1074 Quadruple Nosepiece .....	31.50
1105 Quintuple Nosepiece .....	43.00
<b>OBJECTIVES</b>	
1076 10X Achromatic Infinity Corrected Objective (N.A. 0.25) .....	30.50
1116 45X Achromatic Infinity Corrected Objective (N.A. 0.66) .....	49.00
1079 100X Achromatic Infinity Corrected Objective (N.A. 1.25) Oil Immersion .....	84.50
<b>STAGES</b>	
1061 Micro-Glide Stage "F" with clips .....	79.00
1062 Ungraduated Mechanical Stage "U" Right hand .....	124.50

	Price 1-4
<b>Stages (contd.)</b>	
1063 Ungraduated Mechanical Stage "U" Left hand .....	\$124.50
1064 Graduated Mechanical Stage "G" Right hand .....	146.00
1065 Graduated Mechanical Stage "G" Left hand .....	146.00
<b>ILLUMINATORS &amp; FILTERS</b>	
1036A In-Base Illuminator "L" complete with 1051 Transformer .....	117.50
1038 Plano-Concave Mirror Assembly "M" .....	11.50
406 Blue Filter .....	1.50
408 Green Filter .....	4.00
735D Advanced Laboratory Illuminator with multiple filter holder, iris diaphragm, blue and ground glasses, 3 neutral density filters, Corning Daylite glass, one 100 watt, 120 volt lamp, and 8-foot cord with switch. Complete with case for filters .....	161.00
600 Ortho-Illuminator complete with three- point positioning device for microscope base; turret-mounted intensity and color filters; auxiliary lens; pinhole eyepiece; one 100 watt, 115 volt lamp; two-way switch, cord and plug .....	205.00
<b>HEMACYTOMETER</b>	
1475 Hemacytometer for phase platelet counting, (Use #1½ cover glass) .....	22.00

	Price 1-4
<b>CAMERAS and ACCESSORIES</b>	
1057 Shutter Cable and Lens Assembly for 10T .....	\$100.00
1054 Field of View Eyepiece .....	44.00
1052 3¼" x 4¼" film pack Polaroid Back 7.5X .....	150.00
1052A 3¼" x 4¼" film pack Polaroid Camera consisting of 1052, 1054 and 1057 .....	294.00
1053 35mm, Camera Back, 2.8X and 5X Adapter .....	75.00
1053A 35mm Camera consisting of 1053, 1054 and 1057 .....	219.00
1055 4" x 5" Camera Back Adapter. Accepts 4" x 5" cut film or plate holders and Polaroid #500* .....	90.00
1055A Same as 1055 with 1054 and 1057 .....	234.00
682G Photomicrographic Camera complete with base and arm, flexible bellows- type light-tight adapter, focusing telescope with Universal shutter, No. 657 adapter, No. 690 3¼" x 4¼" Film Pack Polaroid Camera back .....	494.00
* #1055A is illustrated with Polaroid #500 Camera Back. The latter is not available thru AO.	
<b>CABINET &amp; ACCESSORY CASES</b>	
1610 Cabinet for 10 (Not included with Phasestar Models) .....	30.50
1611 DeLuxe Cabinet for 10 (Not included with Phasestar Models) .....	40.00
1671 Accessory Case for #1241 .....	18.00
1672 Accessory Case for #1240 .....	18.00

