

AO Series 10 MICROSCOPE **



PRICE LIST

FOR SERIES H10 MICROSTAR

Equipped with Infinity Corrected Planachromatic

& Achromatic Objectives

Effective March 1, 1975



XH10TU-JW with 1053A Camera

The equipment supplied may not agree in all details with the descriptions or illustrations shown, as instruments are subject to modification and improvement.



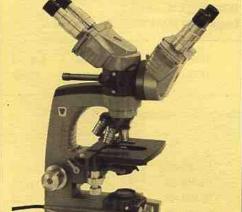
SCIENTIFIC INSTRUMENT DIVISION BUFFALO, N.Y. 14215

PREFIX	STAND	BODY	STAGE HYPH	EN PLANACHROMATIC OBJECTIVES NOSEPIECE • CONDENSER	EYEPIECES
X 1085 Auxiliary Swing-In Condenser M 1038 Mirror Assembly 406 Filter	10	T 1043 Trinocular B 1042 Binocular	U 1062 Ungraduated Mechanical G 1064 Graduated Mechanical	E 1019 10X Objective 1023 40X Objective 1024 100X Objective 1019 10X Objective 1019 10X Objective 1023 40X Objective 1024 100X Objective 1024 100X Objective 1024 100X Objective 1025 20X Objective 1026 1084 N.A. 1.25 Condenser 1093A Condenser Mount J 1017 4X Objective 1024 100X Objective 1024 100X Objective 1025 20X Objective 1026 1084 N.A. 1.25 Condenser 1093A Condenser Mount K 1028 2.5X Objective 1029 10X Objective 1020 10X Objective 1020 10X Objective 1021 10X Objective 1022 10X Objective 1023 40X Objective 1024 100X Objective 1025 10X Objective 1026 10X Objective 1027 10X Objective 1028 2.5X Objective 1029 10X Objective 1020 10X Objective 1020 10X Objective 1020 10X Objective 1021 10X Objective 1022 10X Objective 1023 40X Objective 1024 100X Objective 1025 10X Objective 1026 10X Objective 1027 10X Objective 1028 10X Objective 1029 10X Objective 1030 10X Objective 10	W 1176 10X Wide Field
N 1037 On-Base Illuminator				ACHROMATIC OBJECTIVES NOSEPIECE - CONDENSER	
1085 Auxiliary Swing-In "H10", "M10" ca "K", "L", "Q" cat	1 Condenser "X' talog outfits com alog outfits.	' is supplied wit bined with suffix '	h prefix 'F'', ''J'',	1019 10X Objective 1073 Triple Nosepiece 1079 100X Objective 1084 N.A. 1.25 Condense 1079 100X Objective 1093A Condenser Mount	ř
1088 Abbe Condenser outfits instead of 1093 Condenser Mount of 1093A.				1017 4X Objective 1019 10X Objective 1116 45X Objective 1079 100X Objective	r ·



XH10TU-JW





DXH10BU-FW

Unit Net Consumer Price Quantity 1-4 List Quantity 5 or more

Trinocular and Binocular Models equipped with PLANACHROMATIC Objectives

Catalog

Number

TRINOCULAR		
H10TU-EW	\$1580.00	\$1422.00
XH10TU-FW	1659.00	1493.10
XH10TU-JW	1750.00	1575.00
XH10TU-LW	1788.00	1609.20
XH10TG-FW	1695.00	1525.50
BINOCULAR		
H10BU-EW	1512.00	1360.80
XH10BU-FW	1591.00	1431.90
XH10BU-JW	1682.00	1513.80
XH10BU-KW	1629.00	1466.10
XH10BU-LW	1720.00	1548.00
XH10BG-FW	1627.00	1464.30
N10BU-EW	1318.00	1186.20
N10BU-FW	1379.00	1241.10
*DUAL VIEWING		
CXH10TU-FW	2707.00	2420.00
DXH10TU-FW	2475.00	2436.20 2227.50
	2566.00	2309.40
DXH10TU-JW	2639.00	2375.10
CXH10BU-FW	2407.00	2166.30
DXH10BU-FW	2498.00	2248.20
DXH10BU-JW	2430.00	2240.20
W. dat	and the second solution	

Models equipped with ACHROMATIC Objectives

TRINOCULAR		
H10TU-HW	1510.00	1359.00
XH10TU-QW	1589.00	1430.10
XH10TG-QW	1625.00	1462.50
BINOCULAR		
H10BU-HW	1442.00	1297.80
XH10BU-QW	1521.00	1368.90
XH10BG-QW	1557.00	1401.30
N10BU-HW	1248.00	1123.20
N10BU-QW	1309.00	1178.10
M10BU-HW	1242.00	1117.80
XM10BU-QW	1321.00	1188.90
*DUAL VIEWING		
CXH10BU-QW	2569.00	2312.10
DXH10BU-QW	2337.00	2103.30
DXH10TU-QW	2405.00	2164.50

NOTE:

The following models may be grouped with all AO Series 10 and 20 Microscopes in quantity of five or more to qualify for 10% maximum discount in second column.

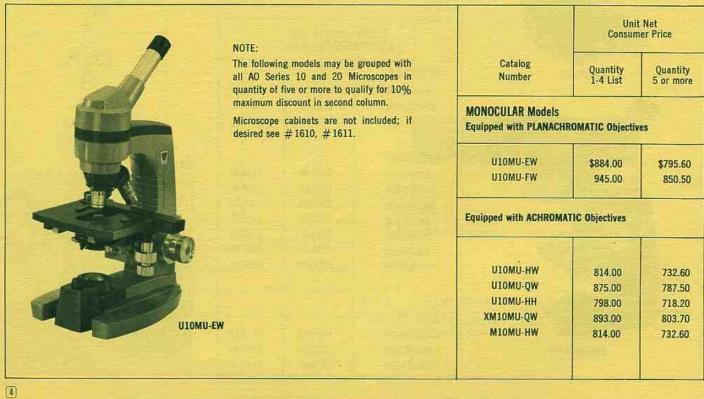
Microscope cabinets are not included; if desired see #1610, #1611.

"Prefix "C" denotes inclusion of #1049B Dual Viewing Outfit. See page 6. Prefix "D" denotes inclusion of #1039B Dual Viewing Outfit. See page 6.

CXH10BU-FW



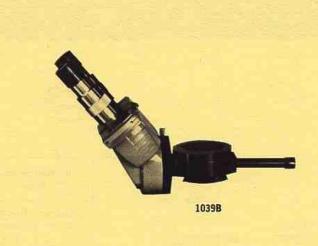
PREFIX	STAND	BODY	STAGE HYPHI	PLANACHROMATIC OBJECTIVES NOSEPIECE • CONDENSER	EYEPIECE
U 1034 On-Base Illuminator X 1085 Auxiliary Swing-In Condenser 1085 Auxiliary Swing-In Con "XM10M" outfits com 1093 Condenser Mount is outfits.	bined with suffix	"F", "Q".	U 1062 Ungraduated Mechanical	Total Properties 1019 10X Objective 1023 40X Objective 1024 100X Objective 1019 10X Objective 1019 10X Objective 1023 40X Objective 1024 100X Objective 1025 1073 Triple Nosepiece 1088 N.A. 1.25 Condenser 1088 N.A. 1.25 Condenser 1093A Condenser Mount Q 1017 4X Objective 1019 10X Objective 1019 10X Objective 1019 10X Objective 103A Condenser Mount Q 1074 Quadruple Nosepiece 1088 N.A. 1.25 Condenser 1093A Condenser Mount	W 176 10X Wide Field H 177 10X Huygenian

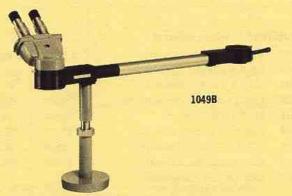


Alternate Parts and Accessories

All essential optical surfaces of MICROSTAR Series 10 as well as alternate parts and accessories are AMERICOTE... to decrease internal reflection, increase light transmission and improve image contrast.

CATALOG NUMBER DESCRIPTION 1-4 List 5 or mo 10%						Consumer
1028 1017 1019 1022 1017 1019 1022 1018 1017 1019 1022 1019 10X N.A. 0.12 Plan Achromat 51.00 45.90 1022 20X N.A. 0.50 Plan Achromat 73.00 65.90 1024 100X N.A. 1.25 Plan Achromat 101, 176.00 1184.40 1116 45X N.A. 0.66 Achromatic 01, 141.00 126.90 1028 2.5X N.A. 0.07 Plan Achromat 89.00 80.10 1028 2.5X N.A. 0.06 Plan Achromat 118.00 106.20 1028 2.5X N.A. 0.07 Plan Achromat 118.00 1040 N.A. 1.25 Plan Achromat 118.00 105.00 N.A. 0.38 Plan Achromat 118.00 106.20 1074 100X N.A. 1.25 Plan Achromat 118.00 106.20 1075 N.A. 0.38 Plan Achromat 118.00 1076 Plan Achromat 118.00 1077 N.A. 0.38 Plan Achromat 118.00 1079 1079 for use with #214F 1079 Toruse with #21	257a 4/m	20/s				Quantity 5 or more 10%
1028 1017 1019 1022 1017 1019 1022 1018 1017 1019 1022 1019 10X N.A. 0.12 Plan Achromat 5.1.00 45.90 1022 10X N.A. 0.55 Plan Achromat 73.00 65.90 1024 100X N.A. 0.25 Plan Achromat 101, 176.00 158.40 1116 45X N.A. 0.66 Achromatic 01, 141.00 126.90 1028 2.5X N.A. 0.07 Plan Achromat 89.00 80.10 1023 40X N.A. 0.26 Plan Achromat 118.00 106.20 1024 100X N.A. 1.25 Plan Achromat 89.00 80.10 1023 40X N.A. 0.66 Plan Achromat 118.00 106.20 1024 100X N.A. 1.25 Plan Achromat 118.00 106.20 1025 2.5X N.A. 0.07 Plan Achromat 119.00 1026 2.5X N.A. 0.07 Plan Achromat 119.00 1027 1028 Plan Achromat 119.00 1028 1028 Plan Achromat 119.00 1030 N.A. 0.38 Plan Achromat with Iris Diaphragm. 011, 208.00 1175.50 NOTE: Specify Objectives #1014, 1016 or 1079 for use with #214F NOSEPIECES 1073 Triple Nosepiece 42.00 37.80 1074 Quadruple Nosepiece 52.00 46.80 1074 Quadruple Nosepiece 52.00 63.00 1074 Quadruple Nosepiece 70.00 63.00 1080 Vertical Monocular. Fixed Eyetube. 44.00 39.60 1094 Binocular "I": Converging Eyetubes. 461.00 414.90 1094 Binocular Parallel Eyetubes. 529.00 476.10 1094 Vertical Tube for 103, 1044 Dual Verk dapter. 40.10 414.90 1094 Plancular Parallel Eyetubes. 529.00 476.10 1094 Plancular Parallel Eyetubes. 461.00 414.90	8 8	William III	OBJEC	CTIVES — Infinity corrected		
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1022 20X N.A. 0.50 Plan Achromat 173.00 65.70 1024 100X N.A. 1.25 Plan Achromat 176.00 158.40 1079 100X N.A. 1.25 Plan Achromat 116.00 126.90 1023 1024 1016 1028 2.5X N.A. 0.07 Plan Achromat 118.00 162.00 1028 2.5X N.A. 0.07 Plan Achromat 118.00 162.00 1016 1028 2.5X N.A. 0.07 Plan Achromat 118.00 162.00 1016 1028 2.5X N.A. 0.07 Plan Achromat 118.00 162.00 1016 1028 1028 A. 0.07 Plan Achromat 118.00 162.00 1016 1028 1028 A. 0.07 Plan Achromat 118.00 162.00 1016 1028 1028 A. 0.07 Plan Achromat 118.00 162.00 1016 1028 Plan Achromat 1017 1028 1028 A. 1.25 Plan Achromat 1018 1028 A. 1.25 Plan Achromat 1019 1028 A. 1.25 Plan Achromat 1028 A. 1.25 Plan Achromat 1028 A. 1.25 Plan Achromat 1039 Achromat 1040 1058 A. 1.25 Plan Achromat 1059 Achromat 1060 1060 1060 1060 1060 1060 1060 1060			和		20 TENESS	100000
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NOSEPIECES 1073 Triple Nosepiece 42.00 37.80 1074 Quadruple Nosepiece 52.00 46.80 1105 Quintuple Nosepiece 70.00 63.00 63.00 1041 Inclined Monocular Fixed Eyetube. 44.00 39.60 1041 Inclined Monocular "M" 44.00 39.60 1042 1042 1043 1044 1042 1043 1044 1044 1044 1045		R		NOTE: Specify Objectives #1014, 1016 or 1079 for use with #214F Dark Field Condenser.		
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Note: #1043 1047 do not include #1044	1042	1043 1044			020.00	17.0120
Vertical Tube. Add for non-integral camera.			V			















Nº V	Unit Net Consum Price		
CATALOG	20 20 20 20 20 20 20 20 20 20 20 20 20 2	Quantity 1-4 List	Quantity 5 or more
NUMBER	DESCRIPTION		10%
DUAL	VIEWING		
1039	Dual Viewing Adapter (body and eye- pieces not included).	\$285.00	\$256.50
1039B	Dual Viewing Outfit. Consists of 1039,	VASCA VEC	II HELLOW
1042B	1042B, 1176. Binocular Body with both eyetubes	816.00	734.40
TOTAL STATE OF	focusable for 1049.	461.00	414.90
1049	Dual Viewing Adapter (body and eye- pieces not included).	517.00	465.30
1049B	Dual Viewing Outfit. Consists of 1049, 1042B, 1176.	1048.00	943.20
1051	Transformer 115V, 60Hz.	36.00	32.40
1032	Replacement Lamps, package of five (selected) for D/V Adapter illuminated pointer.	5.52	5.52
	NOTE: Illumination cord of #1039 or #1049		
	plugs into pig-tail connector of #1031 Illuminator "H" or #1051 Transformer.		
	Triple, quadruple or quintuple viewing body versions of #1049 available through Special Product Dept.		
MEW	ING SCREEN		4.3
VIEW			WWW.
1050	Viewing Screen for Series H10T.	223.00	200.70
		-	
FVFP	TECES	100	
E.1 E.1	WIDE FIELD		
176	10X Americote, single.	35.00	31.50
1176	10X Americote, pair.	70.00	63.00
184	15X Americate, single.	35.00	31.50
1184 157	15X Americote, pair. 20X Americote, single.	70.00 35.00	63.00 31.50
1157	20X Americote, pair.	70.00	63.00
187	Eyeshield for 176.	, 1.10	.99
	HUYGENIAN	2000000	SHIP
C133		19.00	17.10
C1133	5X Americote, pair. 10X Americote, single.	38.00 19.00	34.20 17.10
1177	10X Americote, single. 10X Americote, pair.	38.00	34.20
11//	+oA Americoto, pan.	30.00	54.20

		Unit Net (Consumer ice
	CATALOG NUMBER DESCRIPTION	Quantity 1-4 List	Quantity 5 or more 10%
	MEASURING AND COUNTING ACCESSORIES MICROMETER DISCS (20mm Diameter)		
	FOR WIDE FIELD EYEPIECES 1405A Micrometer Disc 5mm scale divided into		e 11.70
1406A 1408A 1409A	50 units. 1406A Micrometer Disc 10mm scale divided into 100 units.	\$ 13.00 14.00	\$ 11.70 12.60
	1407A Micrometer Disc 10mm scale divided	5-014	12.60
	into 200 units. 1408A Net Micrometer Disc 10mm square sub-	14.00	22.50
	divided into 100 squares. 1409A Net Micrometer Disc 10mm square sub-	25.00	22.50
indutation	divided into 400 squares. 1410A Micrometer Disc 5mm scale divided into	25.00	
	100 units. 1421A Net Micrometer Disc 5mm square sub-	13.00	11.70
1410A 1421A 148	divided into 25 squares. 1427 Cross-Hair Disc.	25.00 14.00	22.50 12.60
	148 Micrometer Disc Mount for Wide Field Eyepieces Nos. 147 15X, 157 20X, and 176 10X.	1.10	.99
	K1282 Miller Disc for Reticulocyte Count.	12.00	10.80
	MICROMETER DISCS (21mm Diameter) FOR HUYGENIAN EYEPIECES		
	405 Micrometer Disc 5mm scale divided into 50 units.	13.00	11.70
0 10 20 30 40 30	410 Micrometer Disc 5mm scale divided into 100 units.	13.00	11.70
405 422	416 Whipple Net Micrometer Disc 7.5mm square subdivided into 100 squares. Center square further subdivided into 25 squares.	28.00	25.20
	422 Net Micrometer Disc 5mm square sub- divided into 100 squares.	24.00	21.60
	427 Cross-Hair Disc.	14.00	12.60
416 427			
	m. normalismos September 1990		
00 10 12 10 10 10 10 10 10 10 11 12 13 14 15 15 15 15 15 16 17 16 18 18 18 18 18 18 18 18 18 18 18 18 18	STAGE MICROMETER, MICROMETER EYEPIECE, FOCUSABLE EYEPIECE		
400	400 Stage Micrometer 2mm scale divided into 200 .01mm units. Mounted on 25mm x 75mm silde. For calibration of eyepiece micrometer discs and fields		
	of view. 426C Filar Micrometer Eyepiece 10X with	42.00	37.80
	Metric Scale and Magnification Com- pensator.	237.00	213.30
	426B Filar Micrometer Eyepiece same as above without Mag. Compensator but with plain eyepiece tube adapter. (See		
	literature SB424 for further details). 437 10X W.F. Eveniece with focusable eve-	200.00	180.00
437 426C	lens. Accepts above 20mm diameter eyepiece discs.	58.00	52.20
	2		



		200000000000000000000000000000000000000	Consumer rice
CATALOG		Quantity 1-4 List	Quantit 5 or mo
NUMBER			10%
STAGE	S.		
1060	Simple Stage with clips.	\$108.00	\$ 97.20
1061	MICRO GLIDE Stage with clips.	132.00	118.80
1062	Ungraduated Mechanical Stage "U", RH.	207.00	186.30
1063	Ungraduated Mechanical Stage "U". LH.	207.00	186.30
1064	Graduated Mechanical Stage "G". RH.	243.00	218.70
1065	Graduated Mechanical Stage "G": LH.	243.00	218.70
CABIN		E1 00	45.00
1610	Cabinet for 10. Deluxe Cabinet for 10.	51.00 66.00	45.90 59.40
1011	before Capitlet for 10.	00.00	39.40
	ENSERS AND ENSER MOUNTS		
1084	N.A. 1.25 ASPHERIC Condenser for use with #1031, 1036A Illuminator.	35.00	31.50
1088	N.A. 1.25 Abbe Condenser for use with #1034, 1037 Illuminators; #1038 Mirror.	35.00	31.50
1085	Auxiliary Swing-In Condenser "X".	18.00	16,20
1093	Condenser Mount. Fixed, with filter		
- District	holder.	21.00	18.90
1093A	Condenser Mount. Fixed.	21.00	18.90
21/150	Condenser Mount. Centerable. Dark Field Condenser. Centerable.	68.00	61.20
	Dark Field Condenser, Centerable, Built- in 6.5V 1.7 amp, illuminator, without	150.00	135.00
1051	transformer. Variable Transformer, 115V for 218F.	233.00	209.70 32.40
1051	Clear blue filter; 31mm diameter.	36.00 1.70	1.53
	*NOTE: Specify #1079, 1016 or 1014 for use with #214F, 218F Dark-Field	1.70	1.55
	Condenser.		
		11.65	

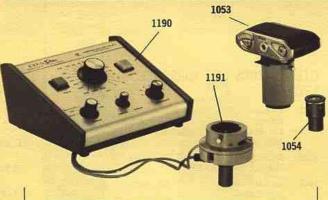


	antigraturi garang		Consumer ice
CATALOG	120 CAN CALIFORNI (CAN CAN CAN CAN CAN CAN CAN CAN CAN CAN	Quantity 1-4 List	Quantity 5 or mor
HOMBE	, , , , , , , , , , , , , , , , , , , ,		20,0
DOL A	RIZING ACCESSORIES		
1113			
1113	Polarizer Unit, consists of swing-in polarizing disc, rotatable, for 1031, 1036A.	\$ 35.00	\$ 31.50
1114	Analyzer Turret Unit; has three aper- tures, one contains Polaroid disc.		
1114B	Consists of 1113, 1114.	87.00 122.00	78.30 109.80
Contract Contract	Full Wave Retardation Plate for 1114	122.00	103.00
Vacor	with instructions. #1114 with K1824 installed.	34.00	30.60
N2200	#1114 With K1024 Installed.	121.00	108.90
	NOTE: #K1824 is ideal for differentia- tion of gout (monosodium urate crystal deposition disease) and pseudogout (calcium pyrophosphate dihydrate crystal deposition disease).		
			1000
ALT THE STREET	MINATORS AND MIRROR MBLY		
ALT THE STREET	MBLY In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models	210.00	
ASSE	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten	219.00	
ASSE 1031	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monocu-	5.35	5.3
ASSE 1031 1120	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V.		5.3
1120 1034 1036A	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with separate #1051 Transformer. 115V.	5.35	5.3 17.10
1031 1120 1034	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with	5.35 19.00	5.3 17.10 175.50
1120 1034 1036A 1037 1038	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with separate #1051 Transformer. 115V. On-Base Illuminator "N" for binoculars 10B. 115V. Plano-Concave Mirror Assembly "M".	5.35 19.00 195.00	5.3 17.10 175.50 22.50
ASSE 1031 1120 1034 1036A 1037	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with separate #1051 Transformer. 115V. On-Base Illuminator "N" for binoculars 10B. 115V.	5.35 19.00 195.00 25.00	5.3 17.1 175.5 22.5 17.1
1120 1034 1036A 1037 1038	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with separate #1051 Transformer. 115V. On-Base Illuminator "N" for binoculars 10B. 115V. Plano-Concave Mirror Assembly "M". Replacement Lamp 15W 115V GE	5.35 19.00 195.00 25.00 19.00	5.3 17.10 175.50 22.50 17.10
ASSE 1031 1120 1034 1036A 1037 1038 611	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with separate #1051 Transformer. 115V. On-Base Illuminator "N" for binoculars 10B. 115V. Plano-Concave Mirror Assembly "M". Replacement Lamp 15W 115V GE #15S11/102 for 1034, 1037. NET Replacement Lamp 2.75A 6.5V GE	5.35 19.00 195.00 25.00 19.00	5.3 17.10 175.50 22.50 17.10
ASSE 1031 1120 1034 1036A 1037 1038 611	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with separate #1051 Transformer. 115V. On-Base Illuminator "N" for binoculars 10B. 115V. Plano-Concave Mirror Assembly "M". Replacement Lamp 15W 115V GE #15S11/102 for 1034, 1037. NET Replacement Lamp 2.75A 6.5V GE #1460 for #1036A. NET	5.35 19.00 195.00 25.00 19.00	5.3 17.10 175.50 22.50 17.10
ASSE 1031 1120 1034 1036A 1037 1038 611	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with separate #1051 Transformer. 115V. On-Base Illuminator "N" for binoculars 10B. 115V. Plano-Concave Mirror Assembly "M". Replacement Lamp 15W 115V GE #15S11/102 for 1034, 1037. NET Replacement Lamp 2.75A 6.5V GE #1460 for #1036A. NET	5.35 19.00 195.00 25.00 19.00	197.10 5.3 17.10 175.50 22.50 17.10 .75 4.84
ASSE 1031 1120 1034 1036A 1037 1038 611	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with separate #1051 Transformer. 115V. On-Base Illuminator "N" for binoculars 10B. 115V. Plano-Concave Mirror Assembly "M". Replacement Lamp 15W 115V GE #15S11/102 for 1034, 1037. NET Replacement Lamp 2.75A 6.5V GE #1460 for #1036A. NET	5.35 19.00 195.00 25.00 19.00	5.3 17.10 175.50 22.50 17.10
ASSE 1031 1120 1034 1036A 1037 1038 611	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with separate #1051 Transformer. 115V. On-Base Illuminator "N" for binoculars 10B. 115V. Plano-Concave Mirror Assembly "M". Replacement Lamp 15W 115V GE #15S11/102 for 1034, 1037. NET Replacement Lamp 2.75A 6.5V GE #1460 for #1036A. NET	5.35 19.00 195.00 25.00 19.00	5.3 17.10 175.50 22.50 17.10
ASSE 1031 1120 1034 1036A 1037 1038 611	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with separate #1051 Transformer. 115V. On-Base Illuminator "N" for binoculars 10B. 115V. Plano-Concave Mirror Assembly "M". Replacement Lamp 15W 115V GE #15S11/102 for 1034, 1037. NET Replacement Lamp 2.75A 6.5V GE #1460 for #1036A. NET	5.35 19.00 195.00 25.00 19.00	5.3 17.10 175.50 22.50 17.10
ASSE 1031 1120 1034 1036A 1037 1038 611	In-Base Transformer and Tungsten Halogen Illuminator "H". Hi-Intensity. For Binoculars & Trinoculars. Models 10B, 10T. 115V. Replacement Lamp 20W 6V Tungsten Halogen for 1031, H10. NET On-Base Illuminator "U" for monoculars 10M. 115V. In-Base Illuminator "L" complete with separate #1051 Transformer. 115V. On-Base Illuminator "N" for binoculars 10B. 115V. Plano-Concave Mirror Assembly "M". Replacement Lamp 15W 115V GE #15S11/102 for 1034, 1037. NET Replacement Lamp 2.75A 6.5V GE #1460 for #1036A. NET	5.35 19.00 195.00 25.00 19.00	5.3 17.10 175.50 22.50 17.10

AO AUTOMATIC PHOTOMICROGRAPHIC EXPOSTAR CAMERAS FOR MODELS H10T MICROSTAR

See Expostar Literature SB1190 for further details.





1053C Expostar Automatic Camera Outfit



	Unit Net Consum Price		2
CATALOG NUMBER		Quantity 1-4 List	Quantity 5 or more 10%
1052C	31/4" x 41/4" Film Pack Polaroid® Land Camera consists of: #1052 Camera Back and 7.5X Adapter; #1190 Expo- Star Control Unit; #1191 Shutter, Lens Assembly*, and Photocell and Cords; #1054 Field of View Eyepiece Magnifi- cation factor 7.5X.	\$1534.00	\$1380.60
1053C	35mm Camera consisting of: #1053 Camera Back; #1190 Expostar; #1191 Shutter, Lens Assembly*, Photocell and Cords; #1054 Field of View Eyepiece. Magnification factors 2.8X and 5X.		
1055C	4" x 5" Camera Back Adapter consisting of #1055 Camera Back Adapter; #1190 Expostar; #1191 Shutter, Lens Assem- bly*; Photocell and Cords; #1054 Field of View Eyepiece. Magnification factor 10X. Accepts 4" x 5" Cut Film Holders and Polaroid #500, 545 Camera Back	1408.00	1267.20
- Carrier	for 4" x 5" Polaroid Cut Film Pack (#500, 545 not supplied by AO).	1433.00	1289.70
1052	31/4" x 41/4" Film Pack Polaroid Land Camera Back. Magnification factor 7.5X.	251.00	225.90
1053	35mm Camera Back. Magnification fac- tors 2.8X, 5X.	125,00	112.50
1055	4" x 5" Camera Back Adapter. Magnification factor 10X.	150.00	135.00
1054 1190	Field of View Focusing Eyepiece. ExpoStar Control Unit (115-120V	73.00	65.70
1191	60 Hz). ExpoStar Shutter 2.8X and 5X Lens	814.00	732.60
	Assembly*, Photocell and Cords. *If you have the older style trinocular body (MicroStar Series 10 & 20) without a NOTCH in the collar, this equipment cannot be used until the trinocular body has been slightly modified. **ETM Reg. by Polaroid Corp.*	396.00	356.40
	O'IM REG. By Folatoid Corp.		
	PF 144 L 截倒		

AO SEMI-AUTOMATIC PHOTOSTAR CAMERAS AND ACCESSORIES FOR MODELS H10T MICROSTAR

See literature SB1066 for further details.





1053B Photostar Semi-Automatic Camera Outfit

		Unit Net Consumer Price	
CATALOG NUMBER DESCRIPTION		Quantity 1-4 List	Quantity 5 or more 10%
1052B	31/4" x 41/4" film pack Polaroid® Land Camera consisting of #1052 Camera Back and 7.5X Adapter; #1066 Ex- posure Control; #1067 Shutter, Cable, Lens assembly, Photocell and Cord; #1054 Field of View Eyepiece. Magni-		
1053B	fication factor 7.5X. 35mm Camera consisting of #1053 Camera Back; #1066 Exposure Control; #1067 Shutter, Cable, Lens assembly, Photocell and Cord, #1054 Field of View Eyepiece. Magnification factors 2.8 and 5X.	\$906.00 780.00	\$815.40 702.00
1055B	4" x 5" Camera Back Adapter consist- ing of #1055 Camera Back Adapter; #1066 Exposure Control; #1067 Shut- ter, Cable, Lens assembly, Photocell and Cord; #1054 Field of View Eyepiece. Magnification factor 10X. Accepts 4" x 5" Cut Film Holders and Polaroid #500, 545 Camera Back for 4" x 5" Polaroid Cut Film Pack (#500, 545 not supplied by AO).	805.00	724.50
1052	31/4" x 41/4" film pack Polaroid Land Camera Back. Magnification factor 7.5X.	251.00	225.90
1053	35mm Camera Back. Magnification fac- tors 2.8X, 5X.	125.00	112.50
1055	4" x 5" Camera Back Adapter. Magni- fication factor 10X.	150.00	135.00
1054	Field of View Focusing Eyepiece.	73.00	65.70
1066	Photostar Exposure Meter.	275.00	247.50
1067	Shutter, Cable, 2.8X and 5X Lens Assembly, Photocell and Cord.	307.00	276.30

AO NON-AUTOMATIC CAMERAS AND ACCESSORIES FOR MODELS H10T MICROSTAR



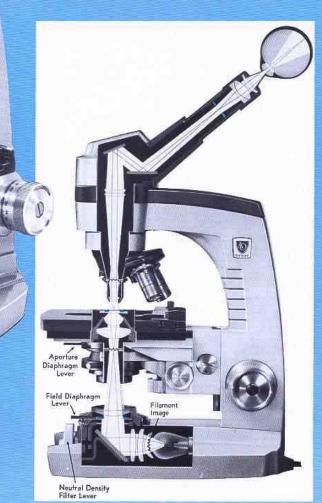


1053A Non-Automatic Camera Outfit

1052A	3½" x 4½" film pack Polaroid Land Camera consisting of #1052 Camera Back and 7.5X Adapter; #1057 Shutter, Cable and Lens Assembly, #1054 Field of View Eyepiece. Magnification factor 7.5X.	490.00	441.00
1052	31/4" x 41/4" film pack Polaroid Land Camera Back, Magnification factor 7.5X.	251.00	225.90
1053A	35mm Camera consisting of #1053 Camera Back; #1057 Shutter, Cable and Lens Assembly; #1054 Field of View Eyeplece. Magnification factors 2.8 and 5X.	364.00	327.60
1053	35mm Camera Back.	125.00	112.50
1055A	TOTAL MARKET CONTRACTOR OF THE PARTY OF THE	389.00	350.10
1055	4" x 5" Camera Back Adapter.	150.00	135.00
1054	Field of View Eyepiece.	73.00	65.70
1057	Shutter, Cable and Lens Assembly. Mag- nification factors 2.8X and 5X.	166.00	149.40



Wide choice of models available with 1036A Illuminator plus Achromatic or Planachromatic Objectives



Features and benefits of Models "L10" are same as those detailed in SBH10 brochure — except that they are supplied with 1036A instead of 1031 Illuminators.

XL10BU-QW

Relatively high intensity Illuminator 1036A is controlled by external, five step transformer 115V to vary brightness of 6.5V 2.75 Amp precentered tungsten lamp (GE1460).

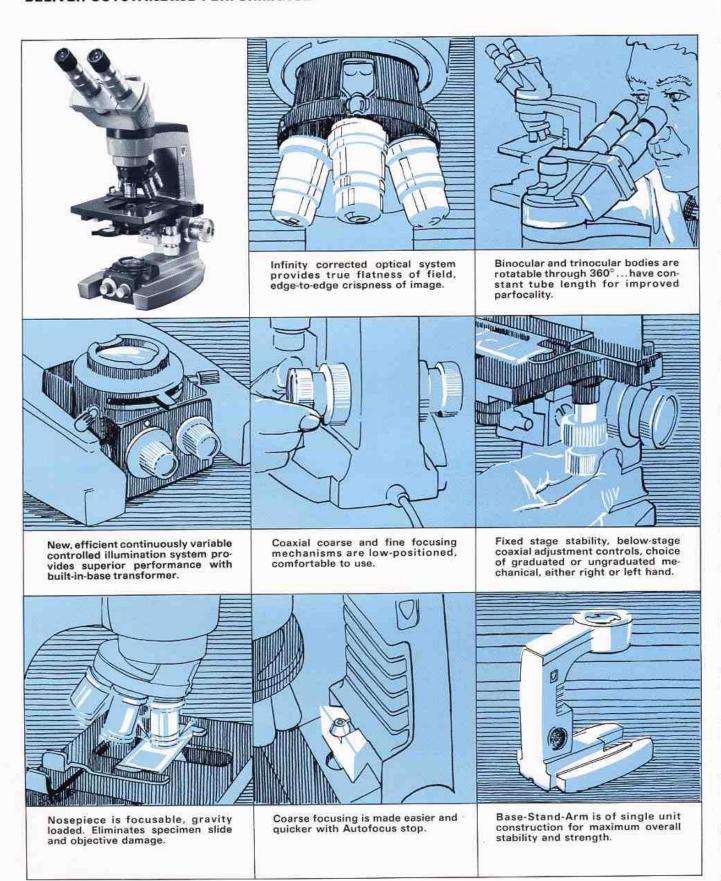
Convenient external lever permits you to easily swing in a 10% transmission neutral density filter when required.

Well corrected, prefocused optical system of #1036A contains a centerable iris diaphragm to evenly illuminate all fields of view.

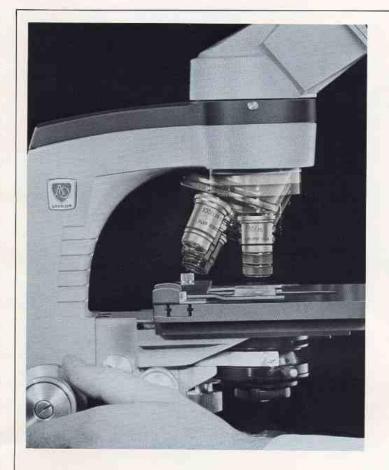


1036A In-Base Illuminator and Transformer

HERE'S WHY THE AO SERIES 10 MICROSTAR® MICROSCOPES DELIVER OUTSTANDING PERFORMANCE



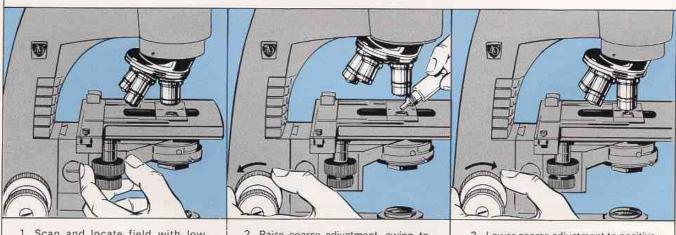
EXCLUSIVE NOSEPIECE FOCUSING CONCEPT PROTECTS SLIDES AND OBJECTIVES



Only the nosepiece assembly moves to focus the objective to the specimen. There is no rack and pinion to wear and bind. All components of body, stage and stand become one solid unit, free of any movement or vibration. The entire focusing mechanism is enclosed in the arm, sealed against dirt and dust. Dual, coaxial, coarse and fine focusing adjustment rides smoothly on ball bearing slideways. Virtually frictionless action assures long life and trouble free service.

The nosepiece is gravity-loaded — there is no positive downward pressure. Focusing down onto the slide with either coarse or fine adjustment merely causes the nosepiece to "give." It is impossible to damage objectives or break slides. A safety clutch slips when maximum nosepiece excursion is reached to protect the focusing mechanism against damage.

Autofocus stop for additional focusing convenience. Eliminates lost time in searching for correct focus with the coarse adjustment.



1. Scan and locate field with low power objective.

2. Raise coarse adjustment, swing to oil immersion objective and apply oil.

Lower coarse adjustment to positive autofocus stop. You will be in focus within a turn of the fine adjustment.

SUPERIOR QUALITY IMAGE WITH INFINITY CORRECTED OPTICAL SYSTEM



... AND PLANACHROMATIC OBJECTIVES









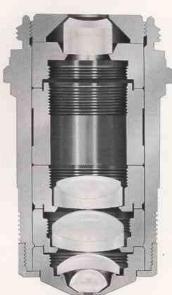






Nothing contributes more toward exceptional performance of a microscope than the design of its objective lens systems. The planachromatic objectives of the Series 10 MICROSTAR Microscope assure a new level of optical excellence. They incorporate traditional microscope objective correction for color and astigmatism plus infinity—and extreme flatness of field. You see the entire wide field of every specimen in clear, sharp focus from edge-to-edge. There is no curvature in the field of view.

All essential optical surfaces are Americote, an AO exclusive coating process which decreases internal reflections, improves light transmission and image contrast.



BROAD SELECTION OF INTERCHANGEABLE, ROTATABLE BODIES plus DUAL VIEWING VERSATILITY





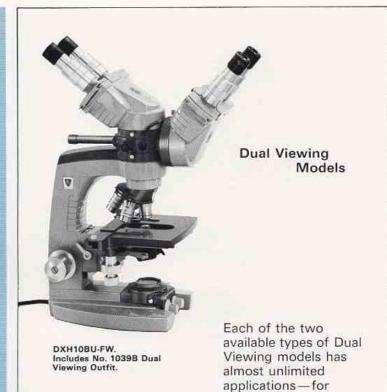


Inclined monocular, binocular, trinocular (and vertical monocular) bodies may be selected. All are rotatable a full 360° for use either in conventional or reverse positions.

Converging binocular or trinocular bodies are supplied as standard. They are graduated for interpupillary (54-74mm range) and eye refraction differences. Constant tube length is maintained by internal optical focusing. Resultant magnification, field coverage, parfocality and calibrated values of eyepiece micrometer scale remain constant despite changes in interpupillary settings. Body inclination is a comfortable 50.º

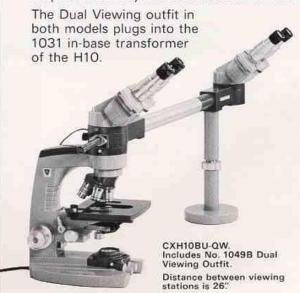
Unique swing-out prism of trinocular body diverts all illumination to either eyepieces, camera, or viewing screen.

Inclined parallel eyetubes in both the binocular and trinocular models may be sustituted for converging eyetubes at no extra cost.

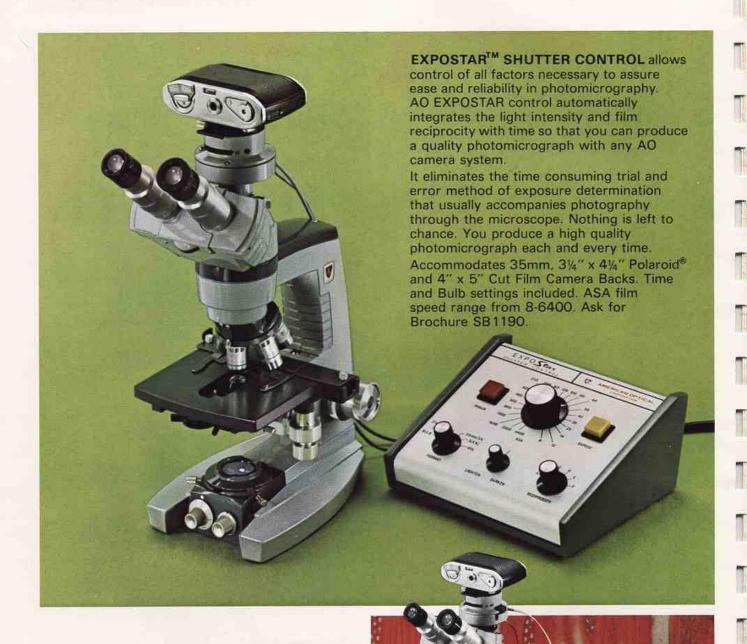


conferences between pathologist and staff, in training technicians in research and routine laboratory techniques. The dual viewing system has proved a significant teaching aid in all the biological sciences.

Both viewers see the same sharp, bright image simultaneously. A universal movement lever control allows a green transparent arrow to be positioned anywhere in the field of view.



SUPERB PHOTOMICROGRAPHY MADE EASY



PHOTOSTARTM SEMI-AUTOMATIC
EXPOSURE CONTROL contains a
highly sensitive cadmium sulphide
photocell. A light sensor measures the
light level of the in-focus specimen
image and transmits it to the control
unit where a reading is given on the
meter. The outer handwheel is rotated
to match meter reading and obtain
proper exposure time. Exposure
determinations from 1/125 sec. to one
hour. ASA film speed range from
10 to 6400. Ask for Brochure SB1066.



31/4" x 41/4" Film Pack Polaroid Land Camera Back, Magnification factor 7.5%.

4" x 5" Camera Back Adapter. Magnification factor 10X.

35mm Camera Back. Magnification factors 2.8X, 5X.

POLAROID® Land Camera

Simple to attach; easy to use. Just focus through microscope eyepieces. Resultant magnification is 7.5x times initial magnification of objectives. 3¼" x 4¼" prints are obtained in seconds from either black and white or color film.

Camera Back Adapter

This 4" x 5" Adapter offers greater flexibility since it accepts both cut film holders and the #500, 545 Polaroid Land Film Holders.* The latter offer the advantages of both black and white (plus negative) or color prints.

35mm Camera

An inexpensive camera offering two different magnifications, the 2.8x covers essentially the field seen through the 10x wide field eyepiece while the 5x covers approximately one half that diameter. Single adapter permits

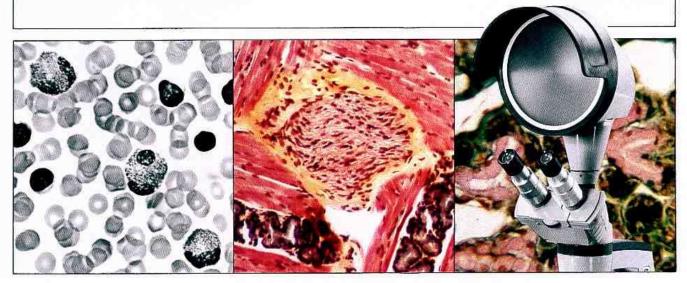
quick change-over from 2.8x to 5x, using same camera back. Resultant magnification at film plane equals objective magnification times camera magnification of 2.8x or 5x.

For non-integral type photomicrographic cameras, heavy base, vertical pillar and adjustable camera support, with a choice of five interchangeable camera backs, are also available. Ask for Brochure SB682.

Viewing Screen

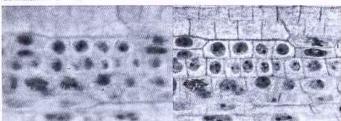
This 6" diameter screen makes small group discussion or consultation easier, more productive. Used with the trinocular body, it is readily interchangeable with cameras. Resultant magnification at screen plane is 7.5 times the initial objective magnification. Field of view is same as that seen through 10x Wide Field eyepiece.

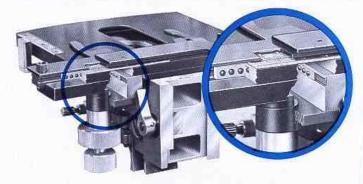
*not available through American Optical POLAROID® by Polaroid Corporation



EXCEPTIONAL STAGE STABILITY SUBSTAGE CONDENSER MOUNT









The stage of the Microstar Series 10 is an integral part of the stand. Stage mount is secure, solid and totally immobile. It cannot be disturbed by hand pressures so that the image remains in sharp, critical focus.

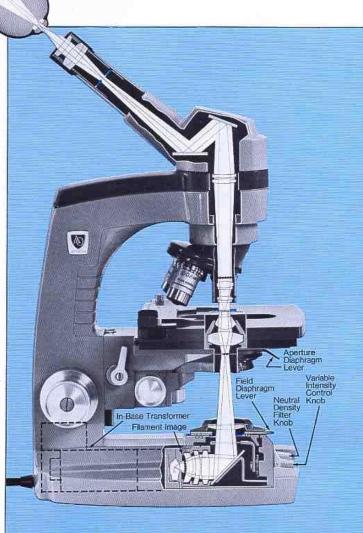
A wide selection of stages is offered to meet every purpose. Choice of simple, mechanical or Micro-Glide. Mechanical stages are research type, graduated and ungraduated for either left or right hand use. Ball bearing dovetail slideways are completely enclosed, require no cleaning or lubrication. Movement is smooth and easy; controls are low placed for comfortable use. Spring-loaded pinchtype stage fingers retain slides safely, with minimal danger of chipping corners.

For petri dish or tissue culture bottle, stage is easily disengaged by releasing locking lever and repositioned to proper working distance. There is a 1-5/8" clearance from point of focus to top of stage.

All Microstar Series 10 Microscopes are supplied with a fork-type condenser mount, focusable by a rack and pinion. The mount permits instant interchange of condensers without disturbing optical alignment.

Aspheric and Abbe condensers (N.A. 1.25) with iris diaphragm, are offered as well as choice of two Dark Field Condensers. An auxiliary swing-in condenser is included in those outfits having 2.5x and 4x scanning objectives.

MORE LIGHT...INCREASED LAMP LIFE ...BUILT-IN-BASE TRANSFORMER



High intensity built-in illuminator (#1031) offers more light than previously available. The lamp control is solid state and continuously variable for convenient selection of the exact illumination intensity desired. High color temperature of the 20 Watt Tungsten Halogen lamp assures greater operating efficiency and truer color rendition. When operated at recommended voltages for similar light intensities as obtained with a standard tungsten lamp, exceptionally longer lamp life is possible. The transformer is in the microscope base, out of the way. Also wired to plug in a Dual Viewing adapter if and when desired.

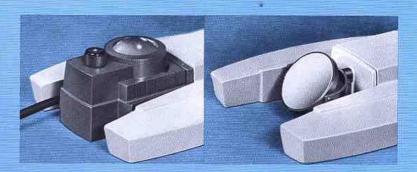
The second knob controls a 15% transmission filter—swing in or out of the light path as desired, conveniently and quickly.

Includes a centerable iris field diaphragm to allow even illumination of all size fields of view and satisfy balance requirements for desirable Koehler type illumination.



Two models of the inexpensive
On-Base illuminator are also
available—"N" (#1037) for
binocular instruments and "U"
(#1034) for the monocular. They
have a daylight filter, condensing
lens and reflector built in. A 15
Watt lamp provides adequate
intensity for all bright-field
observation. Conveniently located
"on-off" switch control.

Plano-Concave Mirror & Fork assembly (#1038) may be interchanged with above illumination.



AO SERIES 10 MICROSTAR MICROSCOPES

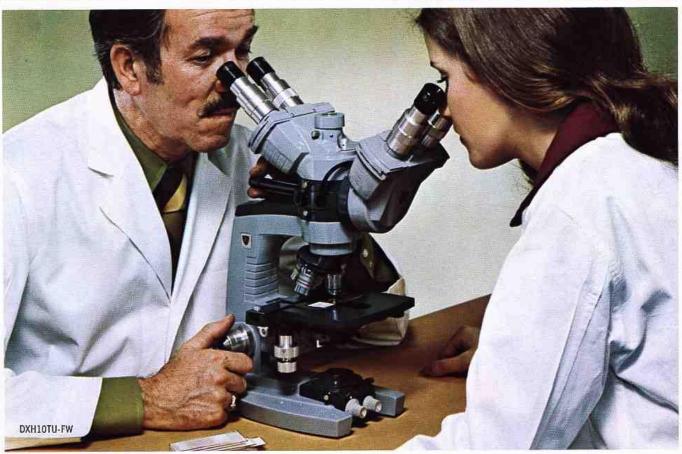
Trinocular Models 10T

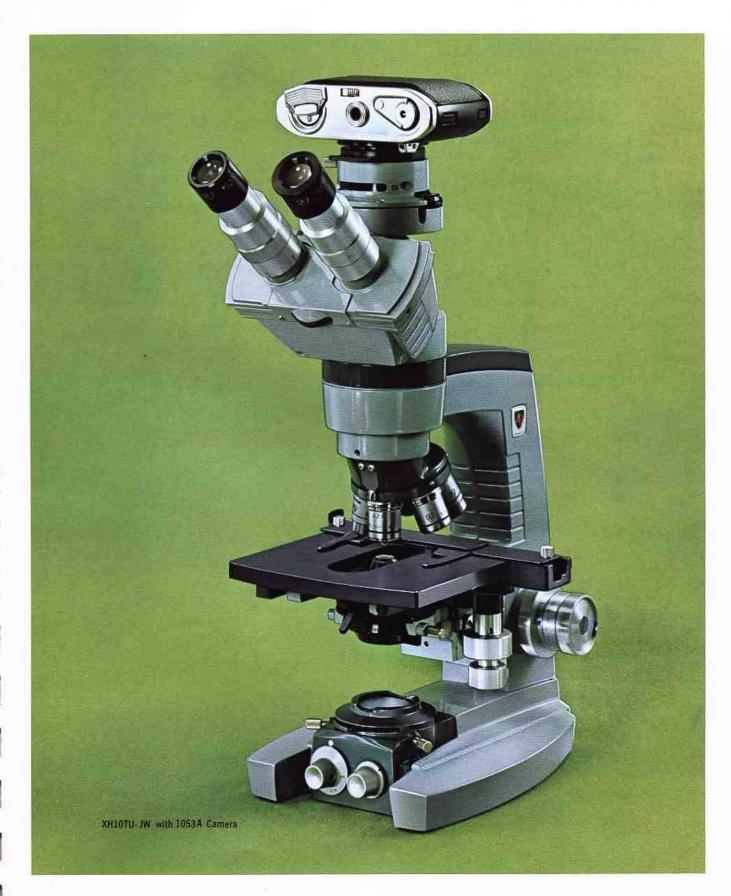
Supplied with:

- Inclined, rotatable trinocular body, interchangeable with other body types
- Focusable nosepiece with low-positioned, coaxial coarse and fine adjustments on each side of stand
- Graduated or ungraduated mechanical stage, or Micro-Glide stage
- Infinity corrected planachromatic or achromatic objectives
- Aspheric or Abbe condenser (N.A. 1.25) with iris diaphragm, in focusable fork-type mount
- · Wide Field eyepieces
- Built-in-base continuously variable transformer and illuminator with high intensity 20 Watt Tungsten Halogen lamp
- Accepts wide choice of photographic equipment or Viewing Screen
- · Dual Viewing models also available

See Price List for complete selection of models





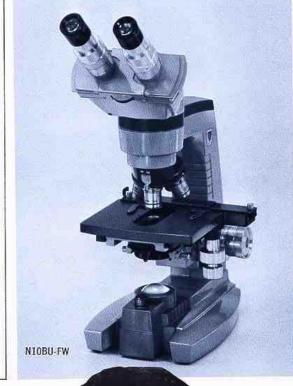


AO SERIES 10 MICROSTAR MICROSCOPES Binocular Models 10B

Supplied with:

- Inclined, rotatable binocular body, interchangeable with other body types
- Focusable nosepiece with low-positioned, coaxial coarse and fine adjustments on each side of stand
- Graduated or ungraduated mechanical stage, or Micro-Glide stage
- Infinity corrected planachromatic or achromatic objectives
- Aspheric or Abbe condenser (N.A. 1.25) with iris diaphragm in focusable fork-type mount
- · Wide Field eyepieces
- Choice of built-in-base transformer and illuminator, On-Base illuminator with external transformer or mirror
- Dual viewing models also available

See Price List for complete selection of models







AO SERIES 10 MICROSTAR MICROSCOPES Monocular Models 10M

Supplied with:

- Inclined rotatable monocular body, interchangeable with other body types
- Focusable nosepiece with low-positioned coarse and fine adjustments on each side of stand
- Simple, ungraduated mechanical or Micro-Glide stage
- Infinity corrected planachromatic or achromatic objectives
- Abbe condenser (N.A. 1.25) with iris diaphragm in focusable fork-type mount
- · Wide Field or Huygenian eyepieces
- Choice of On-Base Illuminator or mirror

See Price List for complete selection of models



VERSATILITY OF THE BASIC SERIES 10 MICROSTAR MICROSCOPE CAN BE FURTHER EXTENDED FOR OTHER MODES OF MICROSCOPY BY SIMPLE ADDITION OF INTERCHANGEABLE ACCESSORIES.



FLUORESCENCE MICROSCOPY

See AO Brochure SB2070 regarding complete #2070C Vertical Illuminator for incident-light fluorescence microscopy. Also, AO Brochure SB10 Fluo, SBV20, SB2069 regarding transmitted-light fluorescence microscopy.



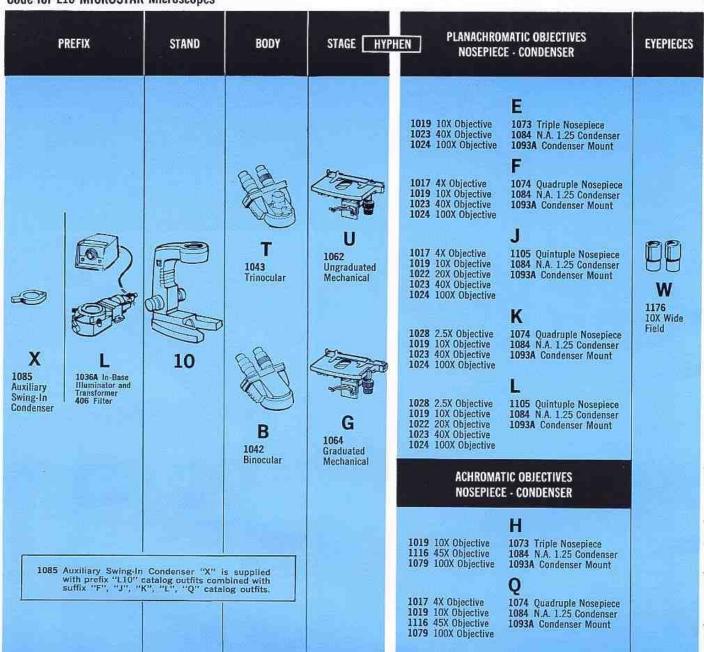
PHASE CONTRAST MICROSCOPY

Refer to AO Brochure SB10, 20 Phase concerning accessories and alternate parts for contrast enhancement of unstained materials, living specimens and blood platelets. Illustration shows complete Phase Star microscope with mounted items.



POLARIZING MICROSCOPY

Simple polarizer and analyzer set #1114B (listed on page 9 of insert price list) are adaptable to Series 10 for effectively viewing anisotropic materials contained in fluids & tissues. Particularly well suited for identifying sodium urate crystals and calcium pyrophosphate dihydrate crystal for diagnosis of gouty arthritis.



SELECTION OF MODELS

ACHROMATIC OBJECTIVES •

	BINOCULAR	
	Unit Net Consumer Price	
Cat. No.	Quantity 1-4 List	Quantity 5 or more 10%
L10BG-HW	\$1454.00	\$1308.60
L10BU-HW	1418.00	1276.20
XL10BG-QW	1533.00	1379.70
XL10BU-QW	1497.00	1347.30

<u> </u>	TRINOCULAR	1
	Unit Net Consumer Price	
Cat. No.	Quantity 1-4 List	Quantity 5 or more 10%
L10TU-HW	\$1486.00	\$1337.40
XL10TG-QW	1601.00	1440.90
XL10TU-QW	1565.00	1408.50

DL	JAL VIEWIN	G
	Unit Net Consumer Price	
Cat. No.	Quantity 1-4 List	Quantity 5 or more 10%
CXL10BU-QW	\$2545.00	\$2290.50
DXL10BU-QW	2313.00	2081.70
DXL10TU-QW	2381.00	2142.90

PLANACHROMATIC OBJECTIVES

L10BU-EW	\$1488.00	\$1339.20
XL10BG-FW	1603.00	1442.70
XL10BG-KW	1641.00	1476.90
XL10BU-FW	1567.00	1410.30
XL10BU-JW	1658.00	1492.20
XL10BU-KW	1605.00	1444.50
XL10BU-LW	1696.00	1526.40

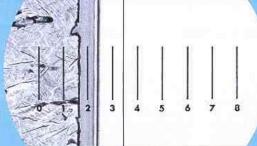
L10TU-EW	\$1556.00	\$1400.40
XL10TG-FW	1671.00	1503.90
XL10TU-FW	1635.00	1471.50
XL10TU-JW	1726.00	1553.40
XL10TU-KW	1673.00	1505.70
XL10TU-LW	1764.00	1587.60

CXL10BU-FW	\$2615,00	\$2353.50
DXL10BU-FW	2383.00	2144.70
DXL10TU-FW	2451.00	2205.90

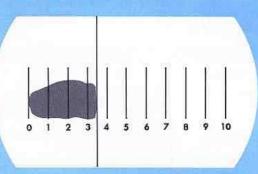


NOW! New Accuracy, Speed, and Simplicity In Specimen Linear Measurements





ENGLISH SCALE - Models No. 424B and 424C The reticle scale is 0.4 inch long. It is subdivided into eight equal increments of .05 inch each. The graduated micrometer drum has 100 divisions, each equal to .0005 inch.



METRIC SCALE - Models No. 426B and 426C The reticle scale is 10mm long. It is subdivided into ten equal increments of 1mm each. The graduated micrometer drum has 100 divisions, each equal to .01mm or 10 µ (microns).

AO FILAR MICROMETER EYEPIECES

- Choice of English or Metric Scales!
- Separate control instantly adjusts position of reticle scale laterally!
- Vertical fiducial line moves laterally, independent of micrometer scale!
- Unique magnification compensator feature simplifies calibration . . . permits direct measurement!

New from AO . . . the most practical and convenient Filar Micrometer Eyepieces ever offered. These precision instruments, used in conjunction with a microscope, assure unparalleled accuracy and eliminate many tedious, timeconsuming calibration factors.

Accuracy greatly exceeds that of a simple micrometer scale. The graduated micrometer drum has 100 increments or divisions. This drum moves the fiducial line precisely one reticle scale division for each revolution. Thus, the drum reads to 1/100 of the scale division.

Both AO Micrometer Eyepiece Models (English or Metric Scales) have a knurled thumbscrew to control the lateral position of the reticle scale. Such scale movement greatly expedites measuring speed as the scale zero setting, or the most adjacent scale division, can quickly be made to exactly coincide with one edge of the specimen.

Focusing onto the reticle scale is provided by a focusable eyepiece with a spiral collar. A knurled thumbscrew is used to affix the Micrometer Eyepiece to the microscope.

AO Filar Micrometer Eyepieces are available with No. 430 Magnification Compensator "C" or No. 429 Eyepiece Tube Adapter "B".



Measurements are swift ... precise!

The method of measurement, using either the English or Metric Micrometer Eyepiece scale, is basically the same.

First, in order to make true measurements of the specimen, it is necessary to calibrate the Micrometer Eyepiece scale against a stage micrometer or scale thereby arriving at a calibration factor.

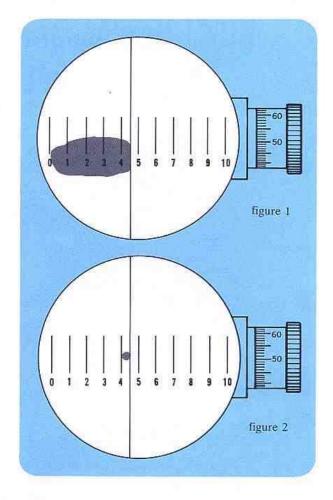
Next, position the reticle scale by means of the lateral reticle scale adjustment so the "O", or any convenient scale graduation, is precisely lined up with the left side of the image to be measured.

Now turn the micrometer drum until the fiducial line coincides with the right side of the specimen. The drum reading represents the position of the fiducial line between two graduations of the reticle scale.

In the case of an extended specimen (figure 1), the number of full reticle spaces the specimen covers constitutes the first digit of measurement and the drum reading, the last two digits.

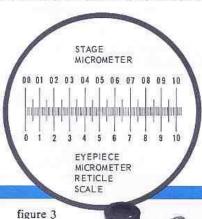
In the case of a small specimen, or where the specific area of the object to be measured does not cover a full reticle space, the entire measurement is taken from the micrometer drum, as shown in figure 2.

In both instances outlined above, true value is the reading times calibration factor.



MAGNIFICATION COMPENSATOR PERMITS DIRECT MEASUREMENTS — SIMPLIFIES CALIBRATION

The No. 430 Magnification Compensator "C" can be readily adjusted to permit direct measurements with even calibrated



values for a number of objective magnifications (10X, 100X-Metric; 5X, 50X metallurgical-English). Move the stage micrometer until one of the even graduations corresponds with one of the divisions of the reticle scale. The "O" setting is frequently used as this allows you to subtend the largest number of division lines for greatest accuracy in calibrating. Using the supplied spanner wrench, turn the

EYEPIECE TUBE ADAPTER

The No. 429 plain Eyepiece Tube Adapter "B" allows for conventional use of the Micrometer Eyepiece on any microscope. It can also be used for applications

magnification compensator adjustable lens until the stage micrometer and micrometer reticle scales correspond exactly as shown in figure 3. Quickly . . . easily . . . you are ready to take *direct* measurements. In those instances where it is necessary to use a calibration factor, the Compensator can be utilized to arrive at an even factor (i.e.: .437 to .450) and thus speeds and simplifies calculations.

other than microscope equipment, such as lens bench work, where it is desirable to have no optics in front of the reticle.

CATALOG NUMBER, DESCRIPTION AND PRICE

424B 10X Filar Micrometer Eyepiece, English Scale, with #429 Eyepiece Tube Adapter \$200.00

424C 10X Filar Micrometer Eyepiace, English Scale, with #430 Magnification Compensator including spanner wrench \$237.00

426B 10X Filar Micrometer Eyepiece, Metric Scale, with #429 Eyepiece Tube Adapter _____ \$200.00 426C 10X Filar Micrometer Eyepiece, Metric Scale, with #430 Magnification Compensator including spanner wrench \$237.00

429 Eyepiece Tube Adapter \$5.00 430 Magnification Compensator with #1240-18 spanner wrench \$42.00

400 Stage Micrometer 2mm scale divided into 200 .01mm units. Mounted on 25mm x 75mm slide. For calibration of eyepiece micrometer discs and fields of view\$42.00



