

SERIES 100 MICROSCOPE FROM REICHERT



We've Changed Our Name
from AO to Reichert

ReichertTM

Reichert Scientific Instruments

REICHERT SERIES 100



NEW IDEA IN VALUE

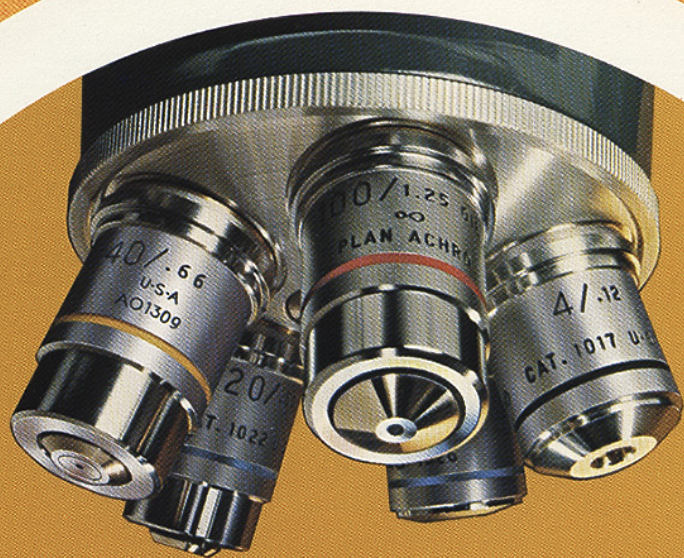
Count on "The Incredible Americans" to come up with a more cost effective way to produce a top quality microscope.

Thanks to the breakthrough economies of a new manufacturing process, Reichert is able to offer the remarkable Series 100 - a microscope with features that are unprecedented in its price range.

Exciting new optics provide a sharper, crisper view. Images are vividly defined and finely focused from edge to edge.

New Halogen Illumination is more powerful, delivering snappier images at all magnifications. Everything is whiter, brighter, more radiant.

Take a long look at the new Series 100. You'll discover provable performance at a price that is absolutely parsimonious!



TRADITIONAL REICHERT QUALITY

For 150 consecutive years skilled Reichert scientists and technicians have crafted a product that is second to none. In quality. In ingenuity. In reliability.

Reichert scopes have an unmatched reputation for dependability and longevity in extremely wide ranging applications and environments. And "user friendly" design features are unsurpassed, making our scopes highly productive instruments.

Today, our exclusive Americote® optical coating and infinity corrected system sets the standard for the industry.

And our network of national and local dealers, backed by a tremendous technical service organization, is the most extensive anywhere.

Thus, when you purchase a new Series 100, you also receive all the benefits inherent in a century and a half of dedication to quality, innovation, and outstanding customer service.

FEATURES OF REICHERT SERIES

100

The Comfort of Converging Eye Tubes

When you look at a specimen through the Series 100, your eyes are focused at a comfortable reading level, so they don't have to refocus each time you change from looking through the eyepieces to looking at the bench area. That constant refocusing of the eye all day (as with other microscopes) can be tiring.

The Simplicity of Single Eyetube Focusing

The left eyetube is independently focusable to accommodate eye refraction differences.

The Ease of Thumb Wheel Adjusting

Eye tube separation is continuously adjustable with a single thumbwheel to conform with the distance between your eyes. Also: the lenses automatically adjust with this change to stay in focus. The lenses on some microscopes do not.

The Speed and Accuracy of Alignment Control

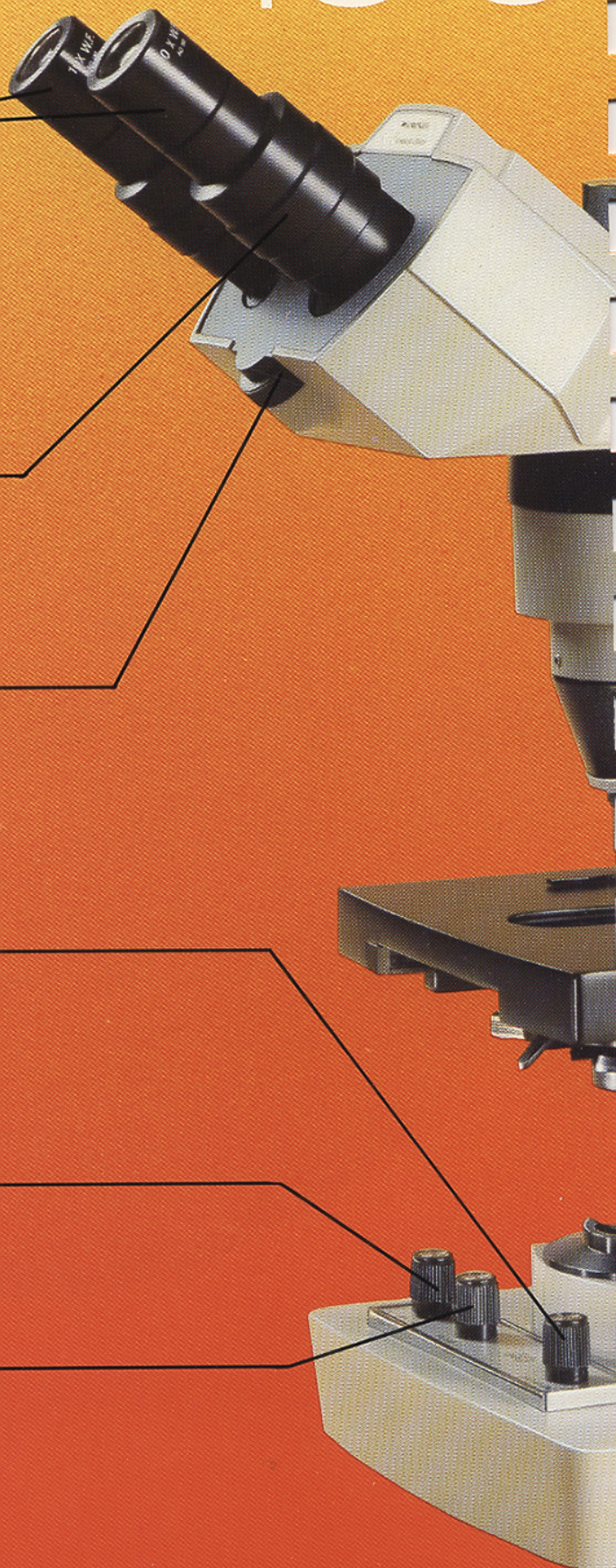
For fast, accurate alignment of the illumination system, the Series 100 features a built-in field diaphragm. Up front for easy reach.

The Long Life of Solid State Design

Intensity control is solid state and continuously variable. Up front for easy reach.

The Flexibility of a Neutral Density Filter

This handy filter lets you reduce brightness without reducing whiteness. Up front for easy reach.





The Complete Versatility of our Trinocular Body

The 100 Series Trinocular Body includes a unique swing-out prism. All light can be diverted to either eyepieces, camera, or viewing screen for maximum intensity where you want it.

The Ease of Out-of-the-Way Optics

Objectives are positioned away from user for easy access to specimen and stage controls.

The Stability of a Stay-In-Focus Stage

You focus the Series 100 by moving the nosepiece, not the stage. The result is a stable, vibrationless system, free from the effects of hand pressure on the stage.

The Comfort of "Convenience Controls"

With low positioned coaxial controls, you don't have to lift your arms to operate the microscope. They are comfortably located at hand level, right at the base of the scope. This way, a long, hard day is not quite so long and hard.

The Plug-In Ease of a Quick-Change Lamp

The illuminator features a clean burning, high color temperature 20W Tungsten Halogen lamp. Its plug-in design lets you change it in seconds.

PROVABLE PERFORMANCE

EXCITING NEW OBJECTIVES

Superior Image Quality with 4 New Planachromatic, Infinity Corrected Objectives

The performance of any microscope is only as good as its optical system. Therefore Reichert offers a complete line of highly corrected objectives. Design is not limited to conventional corrections for color and astigmatism. Reichert Planachromatic objectives feature crisp image focus from edge to edge. All objectives are parcentered and parfocalized to minimize focusing time. These exciting new objectives, used in combination with our more brilliant illumination system, gives you an image that is demonstrably whiter and brighter.

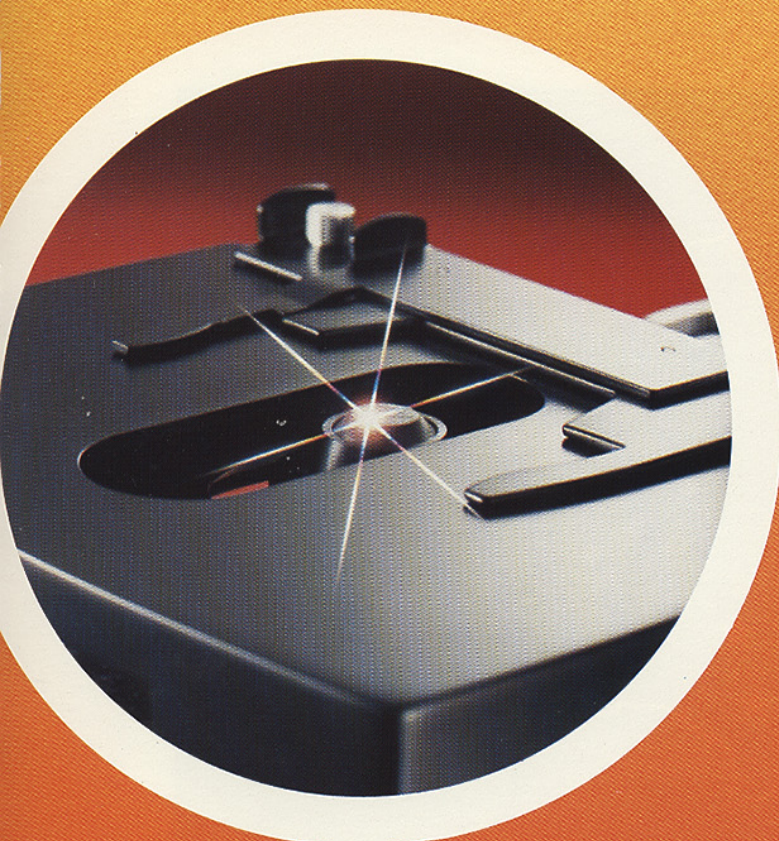


OUTSTANDING VERSATILITY

The Series 100 Microscope is readily adaptable to other methods of microscopy. It will accept a variety of interchangeable alternate parts and accessories. Camera systems, bodies, stages, illuminators, and viewing screen... all contribute to outstanding versatility.



PARSIMONIOUS PRICE



MORE BRILLIANT ILLUMINATION

New technology in lens design and specially formulated optical coatings provide the series 100 with dramatic image contrast.

The result of this brighter and whiter illumination used in concert with our exciting new series of objectives is a crisper, snappier image. Compare it with what you are using and see the difference for yourself!



INCOMPARABLE REICHERT SERVICE

The largest service organization in the country is your guarantee of satisfaction with your new Reichert instrument. We have sales and service facilities in major metropolitan areas across the country, as well as a complete network of national and local dealers. Thorough training from our factory in Western New York ensures that our people are fully qualified and prepared to meet your needs.

COAST TO COAST SALES AND SERVICE



No other microscope manufacturer has a sales and service network that can match ours. Most don't even come close.

With our nationwide network of factory trained sales and service people plus our vast dealer organization, you can be sure professional assistance will be there whenever you should need it.

★ Sales/Service

Atlanta	Houston
Boston	Los Angeles
Buffalo	New York City
Chicago	Philadelphia
Dallas	Seattle
Detroit	

● Sales

Cincinnati	Minneapolis
Cleveland	Phoenix
Denver	Pittsburgh
Indianapolis	Raleigh
Kansas City	San Francisco
Memphis	St. Louis
Miami	Washington, DC

Reichert[™]

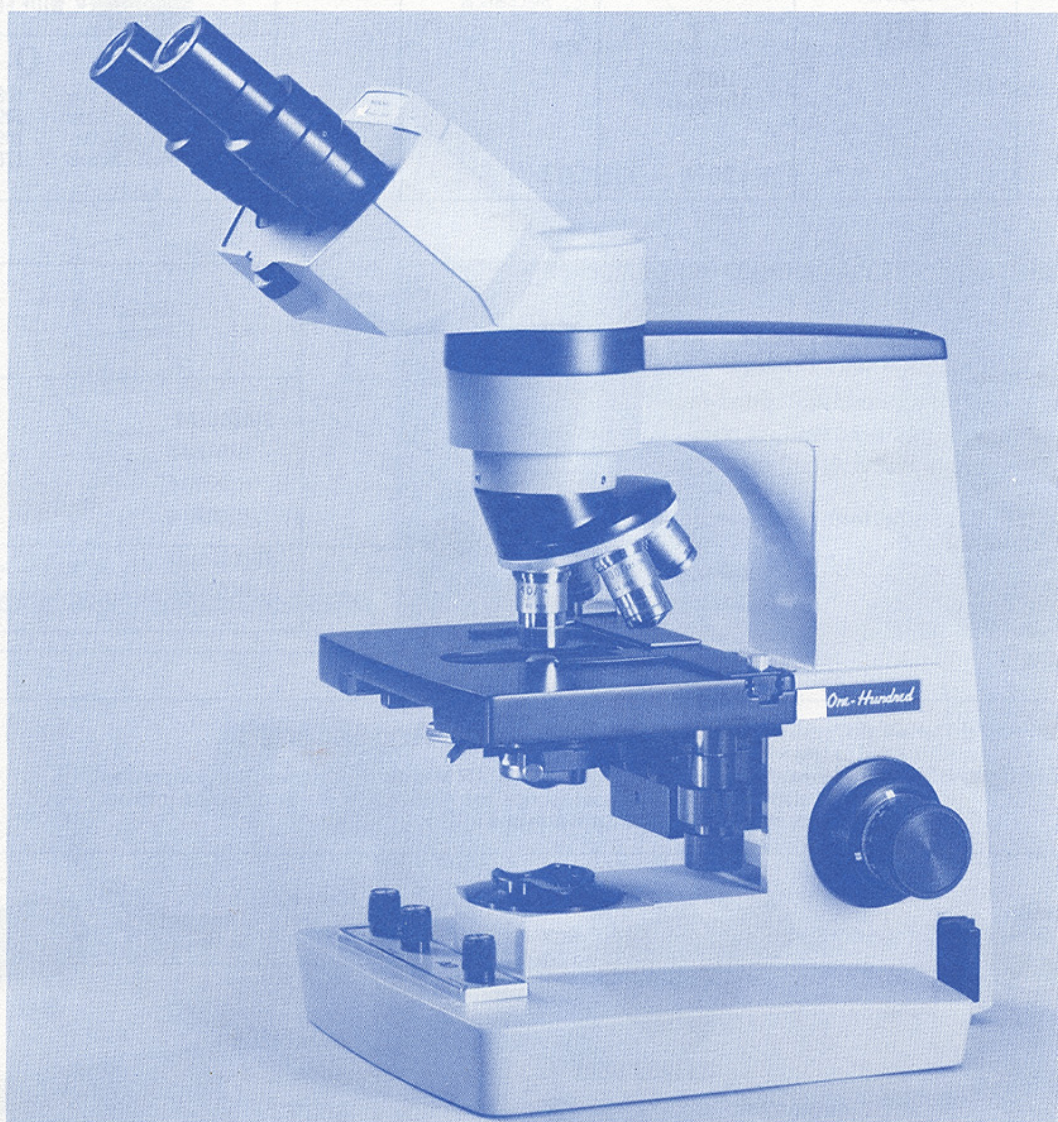
Reichert Scientific Instruments

Division of Warner-Lambert Technologies, Inc.
P.O. Box 123, Buffalo, New York 14240 U.S.A.
(716) 891-3000

Reichert Price List

EFFECTIVE
July 1, 1985

For Series One Hundred MICROSTAR® Microscopes

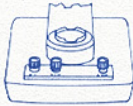


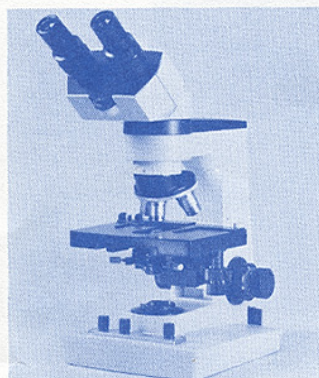
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Reichert™

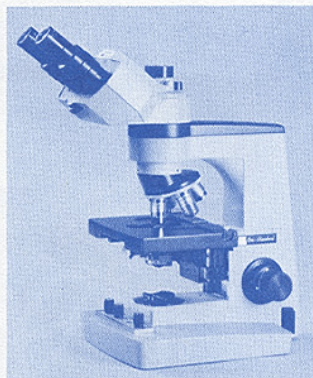
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ILLUMINATOR	STAND, NOSEPIECE	BODY	STAGE		PLANACHROMATIC OBJECTIVES, CONDENSER, WIDE FIELD EYEPIECES
 H 1130 In-Base Transformer & Illuminator 1120 Spare Lamp	 Stand with Quintuple Nosepiece 100	 B 1102A Binocular  T 1103A Trinocular	 U 1194A Ungraduated Mechanical		A 1126 4X Objective 1087 N.A. 1.25 Condenser 1127 10X Objective 1091 Auxiliary Condenser 1128 40X Objective 1092 Condenser Mount 1129 100X Objective 176A 10X Wide Field Eyepiece (2) E 1127 10X Objective 1087 N.A. 1.25 Condenser 1128 40X Objective 1092 Condenser Mount 1129 100X Objective 176A 10X Wide Field Eyepiece (2) ACHROMATIC OBJECTIVES, CONDENSER, WIDE FIELD EYEPIECES Q 1126 4X Objective 1087 N.A. 1.25 Condenser 1026 10X Objective 1091 Auxiliary Condenser 1116 45X Objective 1092 Condenser Mount 1079 100X Objective 176A 10X Wide Field Eyepiece (2)



H100BU-A

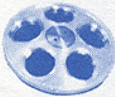
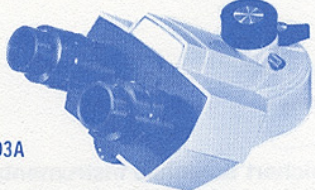


H100TU-A

Catalog Number	Price
BINOCULAR	
H100BU-A	\$2295.00
H100BU-E	2183.00
H100BU-Q	2030.00
TRINOCULAR	
H100TU-A	2420.00

Alternate Parts and Accessories

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

Catalog Number	Description	Price
 1165A  1044	 1102A  1103A	NOSEPIECE 1165A Quintuple \$117.00 BODIES 1102A Binocular "B" 715.00 1102B Binocular, having both eyetubes focusable. For use with 1111A, 1112, 1115, 1117 726.00 1103A Trinocular "T" 853.00 1044 Vertical Tube for 1103 35.00 K2600A Trinocular Body with 80% light to photo 20% to eyetubes 950.00



1028



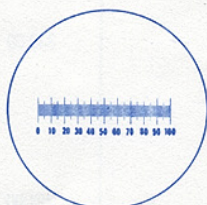
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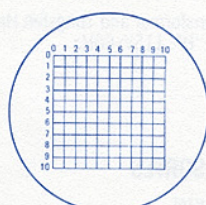
1016



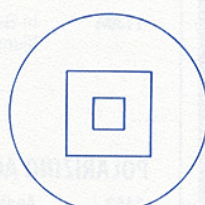
176A



475



477



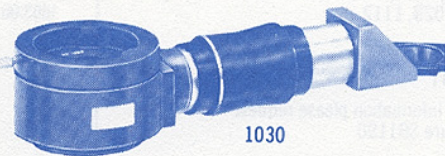
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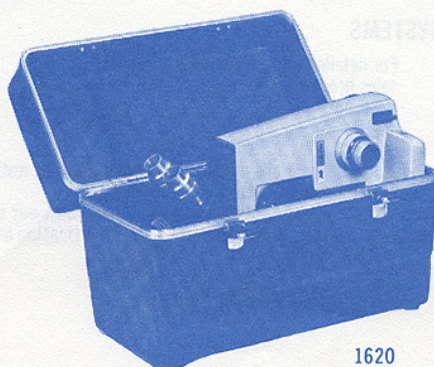
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1050

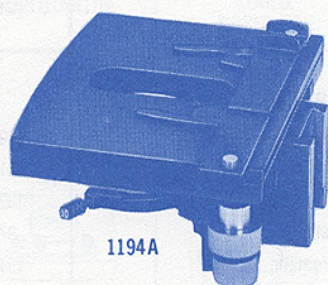


1030



1620

Catalog Number	Description	Price
OBJECTIVES — INFINITY CORRECTED		
1028	2.5X, N.A. 0.07 Planachromatic	\$ 180.00
1126	4X, N.A. 0.12 Planachromatic	91.00
1127	10X, N.A. 0.25 Planachromatic	132.00
1026	10X, N.A. 0.25 Achromatic	97.00
1022	20X, N.A. 0.50 Planachromatic	194.00
1128	40X, N.A. 0.66 Planachromatic	235.00
1116	45X, N.A. 0.66 Achromatic	120.00
1016	50X, N.A. 0.80 Planachromatic w/ Iris Oil	415.00
1079	100X, N.A. 1.25 Achromatic Oil	200.00
1129	100X, N.A. 1.25 Planachromatic Oil	355.00
1014	100X, N.A. 1.25 Planachromatic w/ Iris Oil	495.00
EYEPIECE — WIDE FIELD		
176A	10X AMERICOTE	58.00
MEASURING AND COUNTING ACCESSORIES		
MICROMETER DISCS FOR NO. 176A WIDE FIELD EYEPIECES (21.9mm DIAMETER)		
475	Micrometer Disc, Scale 10mm/100 Divisions.	46.00
476	Micrometer Disc, Scale 10mm/200 Divisions.	57.00
477	Net Micrometer Disc, 10mm Square/ 100 Squares.	51.00
478	Net Micrometer Disc, 10mm Square/ 400 Squares.	53.00
479	Whipple Disc.	57.00
480	Cross Hair Disc.	46.00
481	Miller Disc.	46.00
STAGE MICROMETER		
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.	74.00
DRAWING ATTACHMENTS		
1030	Drawing Attachment (6½" tube)	792.00
K2620	Drawing Attachment (10½" tube)	1225.00
VIEWING SCREEN		
1050	Viewing Screen	380.00
CABINET		
1620	Deluxe Cabinet	106.00



1194A



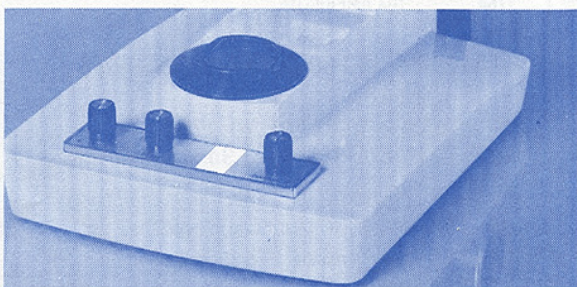
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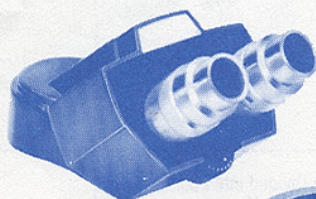
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1092



1130A



1102B

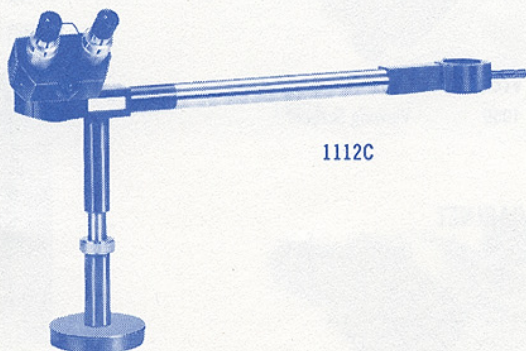


1111C

(2) 176A



1112C



Catalog
Number

Description

Price

STAGES

1194A Ungraduated Mechanical Stage "U" R.H.

\$ 344.00

CONDENSERS AND CONDENSER MOUNTS

1087 Abbe Condenser, N.A. 1.25 for objectives, 2.5X, 4X through 100X with 1091

64.00

1087S Abbe Condenser, (strain-free) N.A. 1.25 for objectives 2.5X through 100X for use with 1153B

72.00

1091 Auxiliary Swing-In Condenser "X" for 1087

37.00

1092 Condenser Mount for 1087, 1087S

45.00

1096 Darkfield Condenser

321.00

ILLUMINATORS AND MIRROR ASSEMBLY

1130A In-Base Transformer and Tungsten Halogen Illuminator "H". 115V, 60Hz

339.00

POLARIZING ACCESSORIES

1152 Analyzer Turret

221.00

1153 Polarizer with Full Wave Retardation Plate for use with 1130 Illuminator

221.00

1153B Polarizer/Analyzer Outfit. Includes 1152, 1153

442.00

NOTE:

Above accessories should be used in conjunction with 1087S condenser.

DUAL VIEWING AND MULTI-VIEWING

1111A Dual Viewing Adapter, Compact

613.00

1111C Dual Viewing Outfit, Compact. Includes 176A (2), 1102B, 1111

1455.00

1112 Dual Viewing Adapter, On-Side

1021.00

1112C Dual Viewing Outfit, On-Side, Includes 176A (2), 1102B, 1112

1863.00

PHOTOMICROGRAPHY

For detailed information please request sales brochure SB1190

VIDEO SYSTEMS

For detailed information please request sales brochure SB1905

All prices and terms of sale are subject to change without notice. Applicable taxes are in addition to prices stated. The equipment supplied may not agree in all details with our description or illustrations because instruments are subject to modification and improvement.