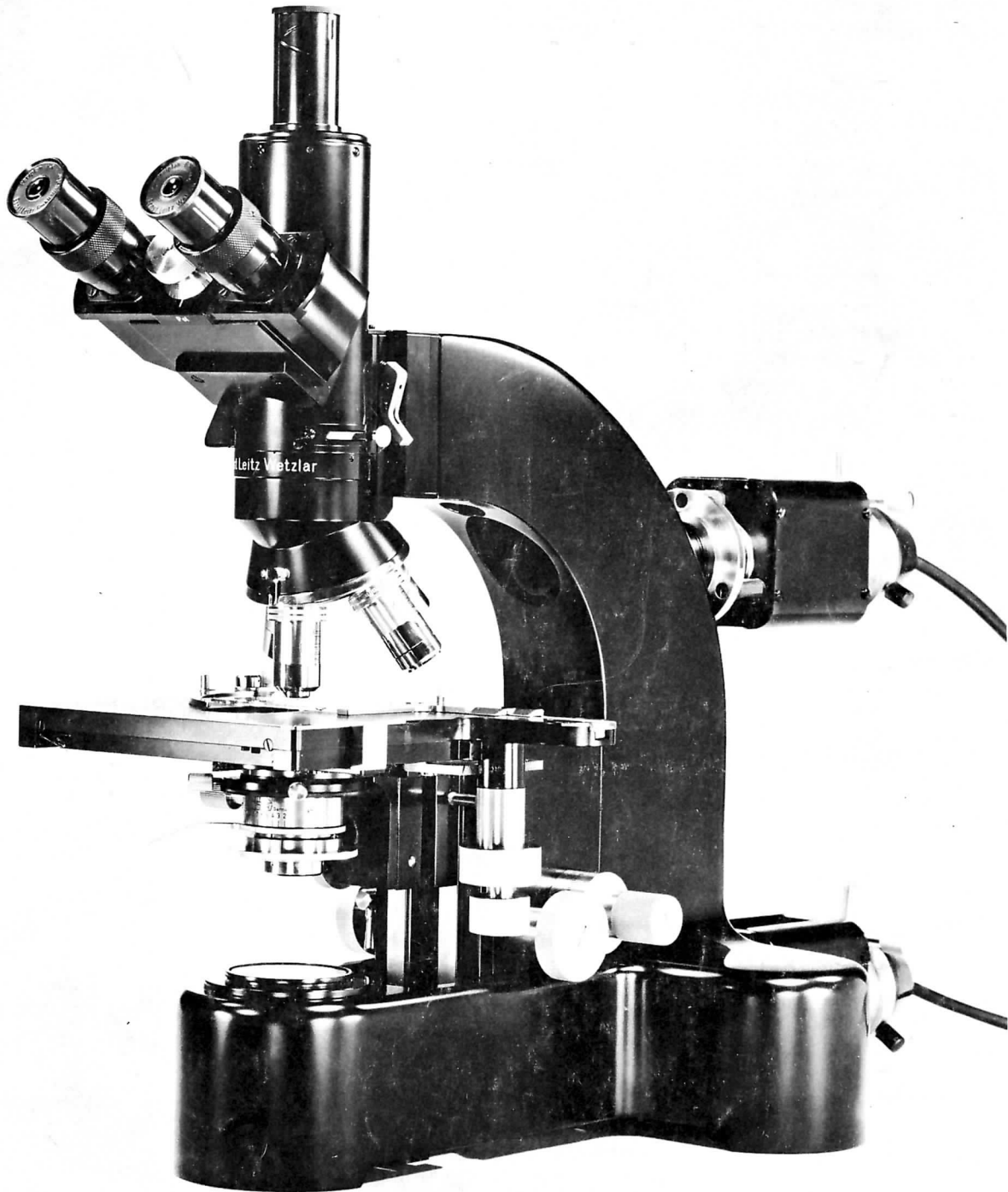


E. LEITZ, INC.  
468 Fourth Avenue  
New York 16, N.Y.

THE NEW LEITZ RESEARCH MICROSCOPE ORTHOLUX - UAM



UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX - UAM

The Leitz Double Lamp Research Microscope ORTHOLUX-UAM has been recognized for years as the most flexible microscope of modern design. Its introduction a few years ago has been pace-setting for it combined for the first time a flexible microscope stand with built-in sources of light for transmitted as well as reflected illumination. The tubes, stages, and condensers are readily interchangeable on precision dovetail sliders, so that a variety of combinations are possible to cover every research need.

The accompanying catalog # 512-40 illustrates on pages 4 and 5 the unlimited versatility of this instrument.

SPECIFICATIONS:

A. UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM FOR REGULAR TRANSMITTED LIGHT:

Smooth-surface "Ortholux" stand of modern design, cast in one piece of non-corrosive light alloy; conveniently placed low-set controls for coarse and fine focusing-, mechanical stage operation-, and condenser adjustment. Fine focus accuracy: 0.001 mm.

Dovetail carrier for the convenient interchange of body tubes and nosepiece carriers.

Dovetail carrier for the convenient interchange of the stage.

Dovetail carrier for the interchange of condensers, with rack and pinion, but without condenser.

Illuminating arrangement comprising: two lamps in removable housing with low-voltage filament bulbs, 6 Volt, 5 Amperes, two daylight filters, two ground glass screens, two metal discs, and two spare bulbs.

Polished mahogany accessory case with fittings (always required).

Microscope stand ORTHOLUX-UAM, without stage, without tube, without condenser, without electrical accessories, in transportation case.

Research Microscope ORTHOLUX-UAM -.-.5.4, as above AAANY \$ 765.00

ELECTRICAL ACCESSORIES:

Dual regulating transformer for connection of two lamps to either 110 or 220 Volt alternating current RERAS \$ 86.00

ACCESSORIES FOR ORDINARY TRANSMITTED LIGHT:

Interchangeable inclined binocular-monocular photographic tube FS OIYEESINE 200.00

Large square mechanical stage #50 with low-set drives on a common axis, traversing area 76x40mm OKRER 142.00

Two-diaphragm, bright field condenser # 76, with swing-out upper element, in centering mount ORBER 118.00

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Sub total \$ 1,311.00

Balance Forward \$ 1,311.00

Optical Outfit consisting of:

Quadruple revolving objective nosepiece on carrier (10-4)	ORKAT	57.00
Apochromatic objective APO-12/0.30, 16 mm	APOSA	65.00
Apochromatic objective APO-24/0.65, 8 mm	APOCT-FE	120.00
Apochromatic objective APO-40/0.95, 4 mm	OBPAM-FE	170.00
Apochromatic objective APO-Oil 90/1.32, 2 mm	APOIM-FE	220.00
Paired Widefield eyepieces GF10X, periplanatic, coated	PESIS	48.00
Paired Periplanatic eyepieces 8X	GIROT	30.00
Paired Periplanatic eyepieces 12X	GIZOV	38.00
One Periplanatic eyepiece 10X (for photography)	PEZEN	19.00
<hr/>		
Universal Double Lamp Research Microscope Ortholux-UAM 10.4.5.4 FS 50/76 for <u>transmitted light only</u> , complete with optics .....		<u>\$ 2,078.00</u>

A1 • UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM FOR REGULAR TRANSMITTED LIGHT WITH PLANO OBJECTIVES FOR MAXIMUM FLATNESS OF FIELD:

Microscope Ortholux-UAM -.5.4, as described above, without objectives or eyepieces or electrical accessories ..... \$ 765.00

ELECTRICAL ACCESSORIES:

Dual regulating transformer for connection of two lamps to either 110 or 220 Volt alternating current RERAS 86.00

ACCESSORIES FOR ORDINARY TRANSMITTED LIGHT:

Interchangeable inclined binocular-monocular photographic tube FS OIYEESINE 200.00

Large square mechanical stage #50 with low-set drives on a common axis, traversing area 76x40mm OKRER 142.00

Two-diaphragm, bright field condenser #76, with swing-out upper element, in centering mount ORBER 118.00

Sub Total \$ 1,311.00

Balance Forward \$ 1,311.00

Optical Outfit consisting of:

Quadruple revolving objective nosepiece on carrier (10-4)	ORKAT	57.00
Plano Objective Pl 4/0.10, 41.5mm f.l., coated	PLAVS	73.00
Plano Objective Pl 10/0.25, 17.9mm f.l., coated	PLABY	95.00
Plano Objective Pl 40/0.65, 4.93mm f.l., coated	PLASP-FE	140.00
Plano Objective Pl Apo Oil 100/1.32, 2.43mm f.l., coated, <u>free working distance 0.27 mm</u>	PLARN-FE	270.00
Paired Widefield eyepieces GF10X, (periplanatic), coated	PESIS	48.00
Paired periplanatic eyepieces 8X	GIROT	30.00
Paired periplanatic eyepieces 12X	GIZOV	38.00
One periplanatic eyepiece 10X (for photography)	PEZEN	19.00

Universal Double Lamp Research Microscope Ortholux-UAM 10.4.5.4 FS 50/76 for regular transmitted light with Plano Objectives for maximum flatness of field, complete with optics ..... \$ 2,081.00

A2. UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM FOR PHASE CONTRAST OBSERVATIONS:

Microscope Ortholux-UAM -.5.4, as described above, without objectives or eyepieces or electrical accessories ..... \$ 765.00

ELECTRICAL ACCESSORIES:

Dual regulating transformer for connection of two lamps to either 110 or 220 Volt alternating current RERAS 86.00

ACCESSORIES FOR ORDINARY TRANSMITTED LIGHT:

Interchangeable inclined binocular-monocular photographic tube FS OIYEESINE 200.00

Large square mechanical stage # 50 with low-set drives on a common axis, traversing area 76x40mm OKRER 142.00

Sub Total \$ 1,193.00

Balance Forward \$ 1,193.00

Optical Outfit consisting of:

Quadruple revolving objective nosepiece on carrier (10-4) ORKAT 57.00

Phase Contrast Condenser on dovetail changing device PHAKY \$ 114.00

Filter holder with daylight and photographic green filter PHAFT 5.60

Focusing magnifier PHADS 24.00

Fitted case for above outfit PHAMB 12.00

Phase Contrast Outfit # 74, complete PFAHT 155.60

Phase Achromat Pv 10/0.25 PHALZ 47.00

Immersion attachment for above PHAWK 8.00

Phase Achromat Pv 20/0.45 PHANC 58.00

Phase Apochromat Pv APO L 40/0.70 PHASG-FE 170.00

Phase Fluorite Oil immersion Pv Fl Oil 70/1.15 PHELB-FE 182.00

Paired Widefield eyepieces GF10X, periplanatic, coated PESIS 48.00

Paired Periplanatic eyepieces 8X GIROT 30.00

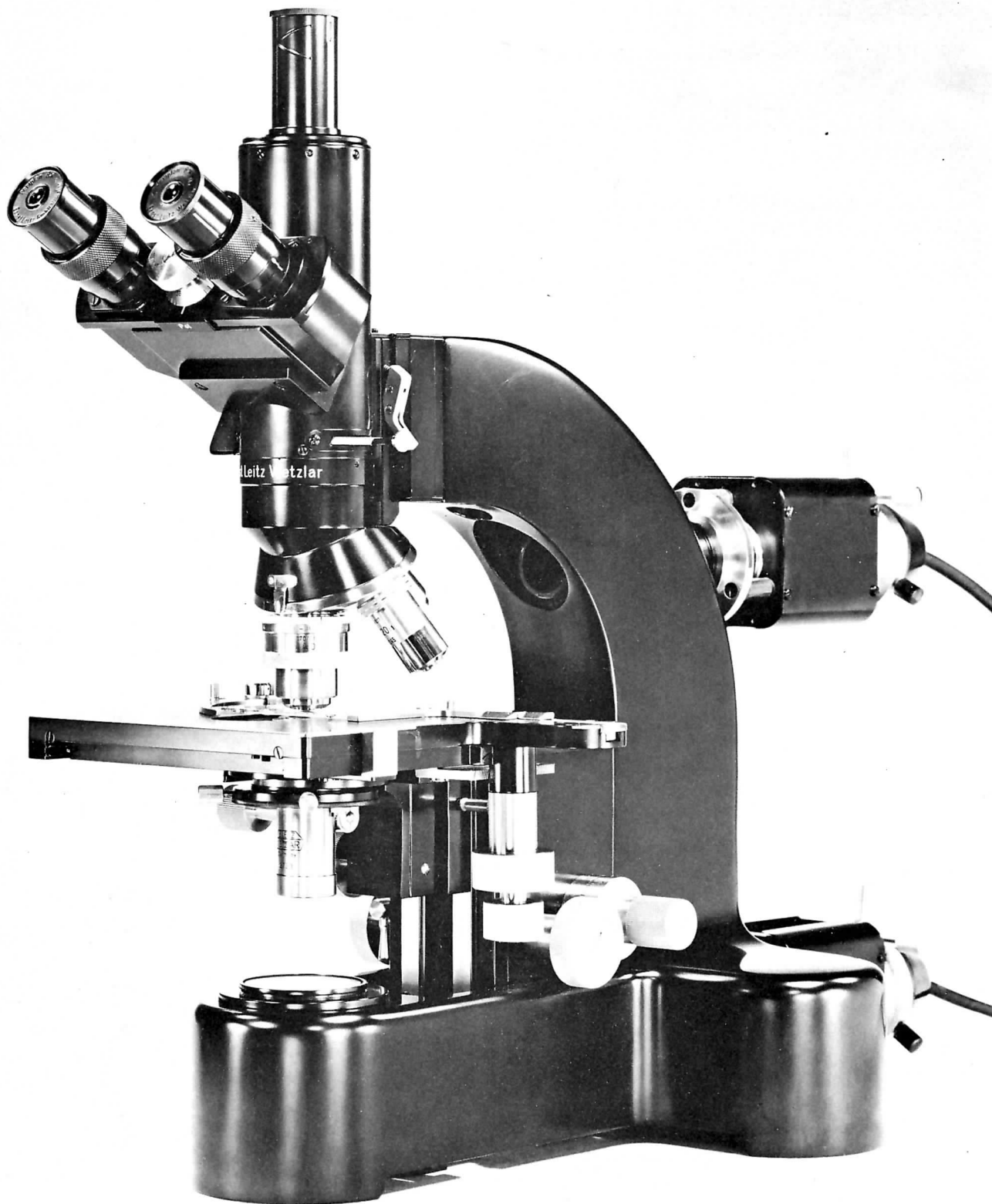
Paired Periplanatic eyepieces 12X GIZOV 38.00

One Periplanatic eyepiece 10X (for photography) PEZEN 19.00

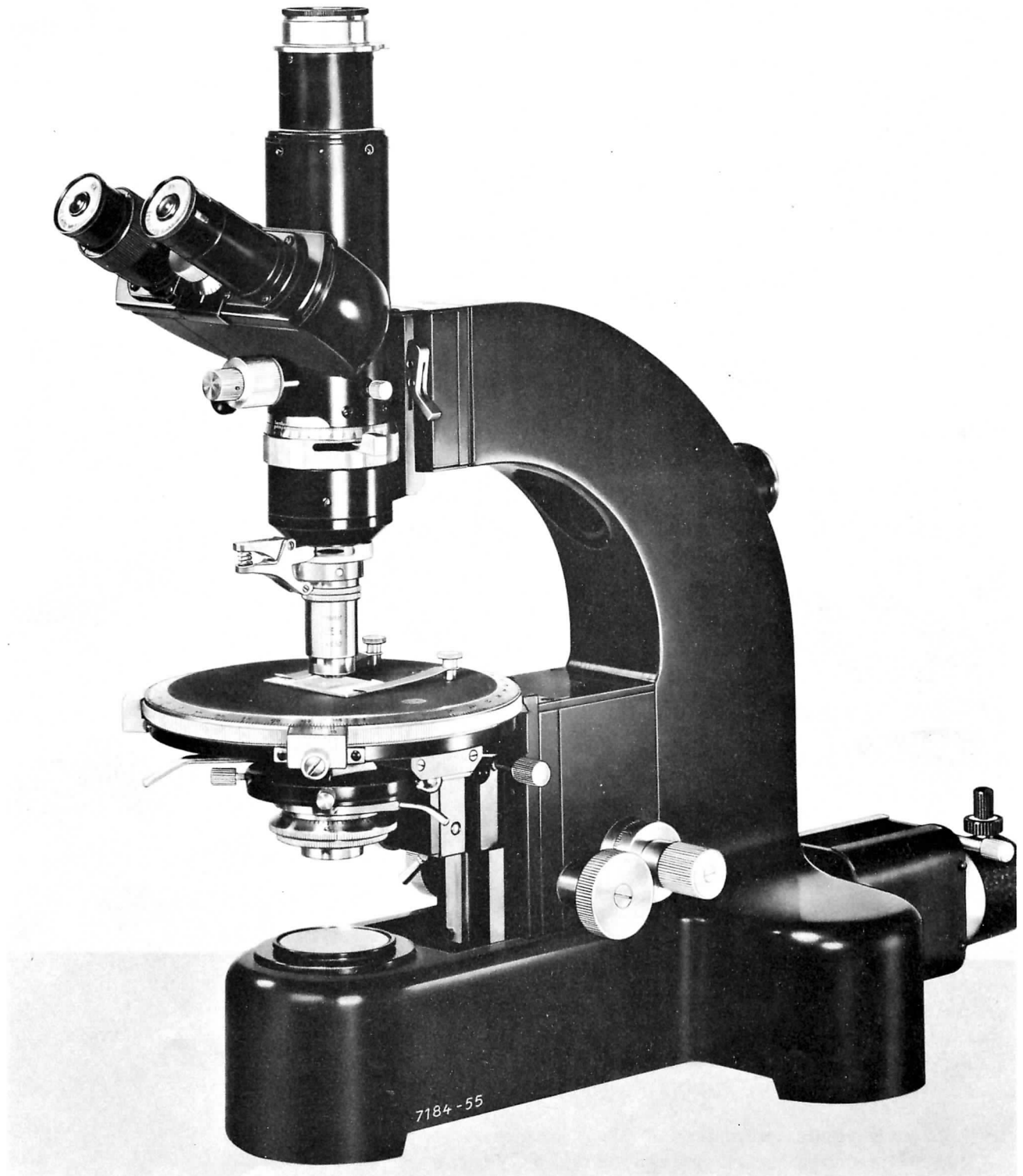
Universal Double Lamp Research Microscope Ortholux-UAM 10.4.5.4 FS 50/74 for phase contrast observations, complete with optics \$ 2,005.60

Handwritten notes: 438.00, 60

NOTE: Phase Contrast Objectives are generally supplied with normal absorption of 75% (type n).  
 For high positive phase contrast we recommend objectives with 88% absorption (type h).  
 Where examinations in negative phase contrast are desired we supply certain lenses with negative phase rings (type -h).  
 For further details and additional objectives see catalog # 513-5



UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM  
FOR PHASE CONTRAST OBSERVATIONS



UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM  
FOR POLARIZED TRANSMITTED LIGHT

B. UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM FOR POLARIZED TRANSMITTED LIGHT.

Microscope Ortholux-UAM -.-5.4, as described above, without objectives or eyepieces or electrical accessories ..... \$ 765.00

ELECTRICAL ACCESSORIES:

Dual regulating transformer for connection of two lamps to either 110 or 220 Volt alternating current RERAS 86.00

ACCESSORIES FOR POLARIZED TRANSMITTED LIGHT:

Inclined binocular-monocular photographic tube , Model FS 45, with built-in rotating analyzer graduated and indexed to  $1/10^{\circ}$ , with built-in centerable Bertrand lens as well as pinhole diaphragm, fully equipped for orthoscopic as well as conosopic observations and measurements with binocular vision.  
The monocular portion of the tube will accept cap analyzers and a Wright eyepiece. It has an index to show the North-South vibration direction of the polarizer. IIXAD 420.00

Detachable rotating stage on ball bearings #37, with scale and verniers as well as locking device PECEB 165.00

Five-lens condenser No. 50f on dovetail carrier with 2 diaphragms and swing-out upper element, with graduated mount calibrated in  $5^{\circ}$  intervals PEVIV 274.00

Optical Outfit consisting of:

Quadruple objective nosepiece on carrier with individual centering device, with tube slit to take compensators PEZIZ 115.00

Achromatic objective P 3.5/0.10, free from polarization PEBAY 30.00

Achromatic objective P 10/0.25, free from polarization PETRI 32.00

Achromatic objective P 45/0.65, free from polarization IAZYI-FE 62.00

Achromatic Oil Immersion P 100/1.30, free from polarization, spring loaded PELIM-FE 90.00

Paired Huygens eyepieces P 8X , matched, one with cross hairs and adjustable eyelens PEHUK 38.00

Large diameter eyepiece P 6X, with cross hairs and adjustable eyelens for enlarged field of view IIAXU 30.00

Sub Total \$ 2,107.00

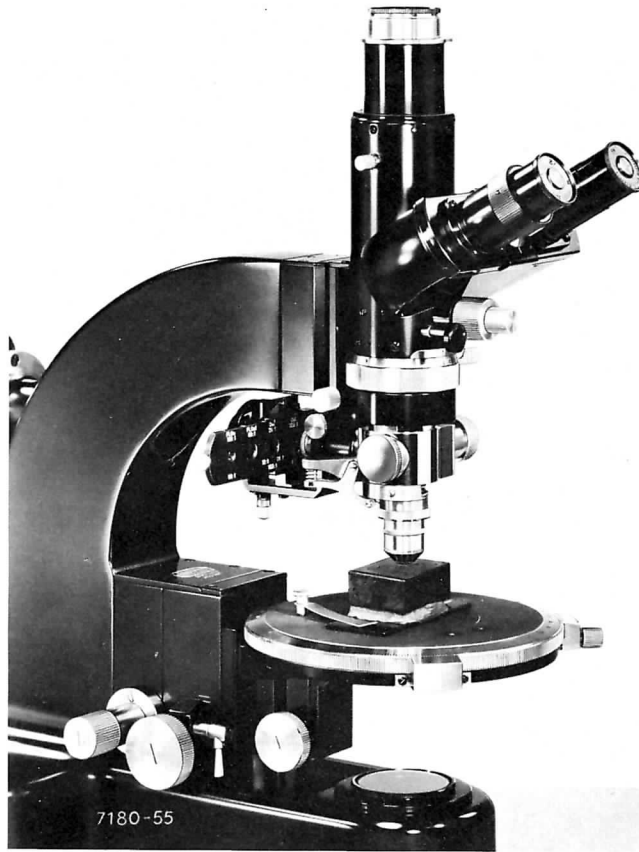


	Balance Forward	\$ 2,107.00
Attachable mechanical stage No. 42	PIRUX	98.00
		<hr/>
Universal Double Lamp Research Microscope Ortholux-UAM 37-50 F with optical outfit for work in polarized trans- mitted light, complete as described above		\$ 2,205.00
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NOTE: In place of the centerable nosepiece PEZIZ, we supply upon request:

Individual objective clutch changer including 4 centering collars	PEZAX	\$ 78.00
Additional centering collar upon request	PIZUT	8.00



UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM  
FOR POLARIZED REFLECTED LIGHT

C. UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM FOR POLARIZED REFLECTED LIGHT.

Microscope Ortholux-UAM -.5.4, as described above, without objectives or eyepieces or electrical accessories ..... \$ 765.00

ELECTRICAL ACCESSORIES:

Dual regulating transformer for connection of two lamps to either 110 or 220 Volt alternating current RERAS 86.00

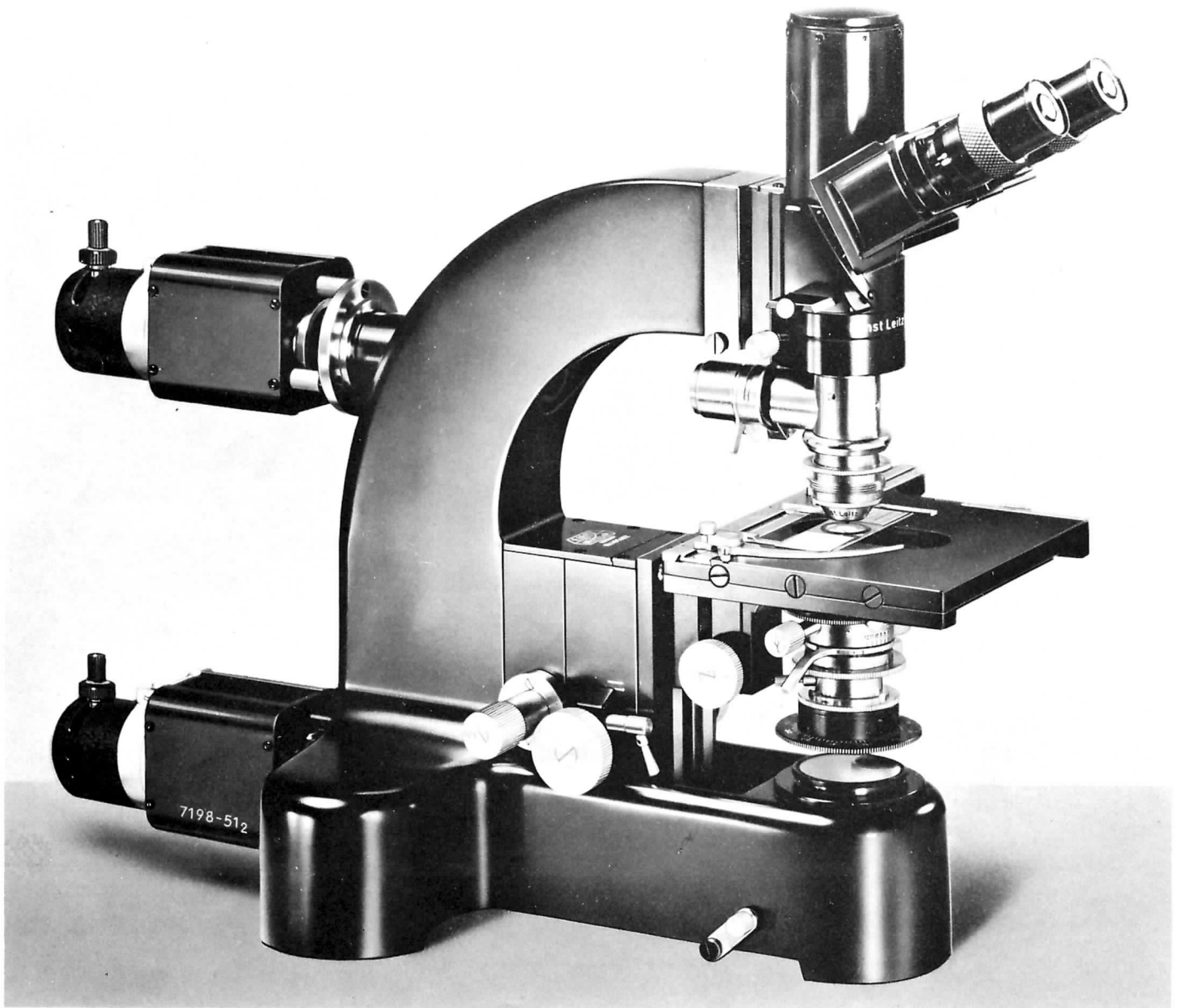
ACCESSORIES FOR POLARIZED REFLECTED LIGHT:

Inclined binocular-monocular photographic tube, Model FS 45, with built-in rotating analyzer graduated and indexed to 1/10°, with built-in centerable Bertrand lens as well as pinhole diaphragm, fully equipped for orthoscopic as well as conoscopic observations and measurements with binocular vision.

The monocular portion of the tube will accept cap analyzers and a Wright eyepiece. It has an index to show the North-South vibration direction of the polarizer

IIXAD	420.00
Sub Total	<u>\$1.271.00</u>

	Balance Forward	\$ 1,271.00
Detachable rotating stage on ball bearings # 37, with scale and verniers as well as locking device	PECEB	165.00
Large vertical illuminator on detachable carrier with compensator slit, compensating prism and plane glass plate, with polarizing prism, objective changing clutch and 4 objective centering collars.		
Supplementary front collector on clamping holder with iris diaphragm and half-stop for ob- lique illumination, center diaphragms on slide	QCPII-IRLEI	318.00
<u>Optical Outfit consisting of:</u>		
Achromatic Objective P 5.5/o.15, free from polarization	IICVO	31.00
Oil immersion objective P 12.5/0.25	IICYU	57.00
Fluorite objective P Fl 45/0.85	IICXS	98.00
Fluorite oil immersion objective P Fl Oil 60/0.95	IIDAX	116.00
Fluorite oil immersion objective P Fl Oil 105/1.32	IIDCB	160.00
Paired Huygens eyepieces P 8X, matched, one with cross hairs and adjustable eyelens	PEHUK	38.00
Large diameter eyepiece P 6X, with cross hairs and adjustable eyelens for enlarged field of view	IIAXU	30.00
Attachable mechanical stage No. 42	PIRUX	98.00
Hand press for levelling specimens	MEPUX	20.00
		<hr/>
Universal Double Lamp Research Microscope Ortholux-UAM FS 45.37/-, with optical outfit for work in polarized reflected light, complete as described above		\$ 2,402.00
		<hr/> <hr/>



UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM WITH THE ULTROPAK  
FOR THE SIMULTANEOUS OBSERVATION IN TRANSMITTED AND REFLECTED LIGHT

UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM WITH THE ULTROPAK FOR THE SIMULTANEOUS OBSERVATION IN TRANSMITTED AND REFLECTED LIGHT

Microscope Ortholux-UAM =.5.4, as described above, without objectives or eyepieces or electrical accessories ..... \$ 765.00

ELECTRICAL ACCESSORIES:

Dual regulating transformer for connection of two lamps to either 110 or 220 Volt alternating current RERAS 86.00

ACCESSORIES FOR OBSERVATION IN TRANSMITTED AND REFLECTED LIGHT:

Interchangeable inclined binocular=monocular photographic tube FS OIYEESINE 200.00

Large square mechanical stage # 50 with low-set drives on a common axis, traversing area 76x40mm OKRER 142.00

Two=diaphragm, bright field condenser #76 with swing-out upper element, in centering mount ORBER 118.00

Ultropak incident light illuminator on interchangeable carrier ORULTSINE 90.00

If required, the Ultropak can also be supplied with facilities for polarized light ORUPOSINE \$ 130.00

Optical outfit consisting of:

Achromatic objective UO 3.8X with ring condenser AHPEE 40.00

Achromatic objective UO 6.5X with ring condenser AIREE 54.00

Achromatic objective UO 11X with ring condenser AKEER 64.00

Achromatic objective UO 50X with ring condenser AMEEP 86.00

Paired Widefield eyepieces GF10X, periplanatic, coated PESIS 48.00

Paired Periplanatic eyepieces 8X GIROT 30.00

Paired Periplanatic eyepieces 12X GIZOV 38.00

One Periplanatic eyepiece 10X (for photography) PEZEN 19.00

Universal Double Lamp Research Microscope Ortholux-UAM-Ultropak FS 50/76 for transmitted and reflected light, complete as described above ..... \$ 1,780.00

Accessories for Transmitted Light Observation under an  
Optically Stained Background:

Vario-color attachment consisting of 2 polarizers,  
rotatable against one another, and mounted below the  
substage condenser, complete with adapter ring      LUXOW-LUYAT      \$ 120.00

NOTE: The interchangeable dovetail carriers and rack and pinion motion for the substage are included in the basic price of the Ortholux-UAM stand. When purchasing an interchangeable stage in addition to that which is included in one of the preceding outfits, please add to the stage the following:

Interchangeable dovetail carrier for Ortholux-UAM  
with rack and pinion focusing motion as well as  
dovetail carrier for the condenser, but without  
condenser      OKROT      \$ 51.00



UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM  
FOR FLUORESCENCE MICROSCOPY

E. UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM FOR FLUORESCENCE MICROSCOPY.

Microscope Ortholux-UAM -.5.4, as described above, without objectives or eyepieces or electrical accessories ..... \$ 765.00

ELECTRICAL ACCESSORIES:

Dual regulating transformer for connection of two lamps to either 110 or 220 Volt alternating current RERAS 86.00

ACCESSORIES FOR FLUORESCENCE OBSERVATION IN TRANSMITTED LIGHT:

Interchangeable inclined monocular photographic tube FP OYEEDSINE 72.00

Large square mechanical stage # 50 with low-set drives on a common axis, traversing area 76x40mm OKRER 142.00

Three-lens condenser NA 1.40 in centering mount on dovetail carrier IKOPY 48.00

If desired, we supply in place of the condenser IKOPY a darkfield condenser D 1.20A # 82 ORCIXSINE \$ 60.00

Drop-in funnel stop to reduce the numerical aperture IRSOP-OILIM \$ 1.00

Optical Outfit consisting of:

Quadruple revolving objective nosepiece on carrier (10-4) ORKAT 57.00

Achromatic objective 45/0.65, spring loaded ACMAT-FE 40.00

Achromatic oil immersion objective 100/1.30, spring loaded OILIM-FE 68.00

Periplanatic eyepiece 8X PEROT 15.00

Periplanatic eyepiece 10X PEZEN 19.00

Non-fluorescing immersion oil, 10 grams EEUCH 2.00

FLUORESCENCE LIGHT SOURCE, comprising

Lamp housing on rigid base, centering holder with lamp socket for Philips CS 150 UV burner, and double condenser.

Filter front attachment with filters to be put in and out of operation at will; including heat-absorbing filter, UV<sub>t</sub> filter 2mm UG 1, UV<sub>t</sub> filter 4 mm UG 1, light-reducing filter, 2 filters 4 mm BG 12 in interchangeable mount.

Alternate illuminating arrangement with deflecting mirror, for attaching the microscope lamp 6V.5A. to the fluorescence source.

Balance Forward \$ 1,307.00

Starting unit for the CS 150 lamp for connection to 110 V.AC.

Base plate for the microscope (when ordering separately, please specify microscope type) LUNIL-LULUL\* 432.00

Cooling Cell in mount to fit into the microscope base in place of the dust cover LUNOM 18.00

One UV protective filter UV 2.5 DQEER\*\* 4.00

One UV absorption filter SP 2.5mm EEUQM\*\* 4.00

Universal double lamp Research Microscope Ortholux-UAM for fluorescence FP 50/IKOPY, complete with optics ..... \$ 1,772.00

SPARE PARTS FOR ABOVE:

Replacement bulb CS 150 LUOHK \$ 66.00

Low voltage bulb, 6V.5Amp. LINID 3.00

\* Upon request we will supply the HBO 200 Watt lamp, in place of the CS 150 lamp, with suitable electrical accessories:

FLUORESCENCE LIGHT SOURCE, complete LUNIL-LULUL-HBO 200 \$ 475.00  
Replacement lamp HBO 200 \$ 53.00

\*\* When Binocular tube is used, protective and absorption filters have to be ordered in pairs.

Additional Code Word: binok

NOTE: The upper low voltage lamp OLTUB which ordinarily is supplied with all Ortholux-UAM Microscopes can be eliminated if the microscope is to be used for transmitted light fluorescence only. Price reduction:

a) for the lamp OLTUB \$ 96.00

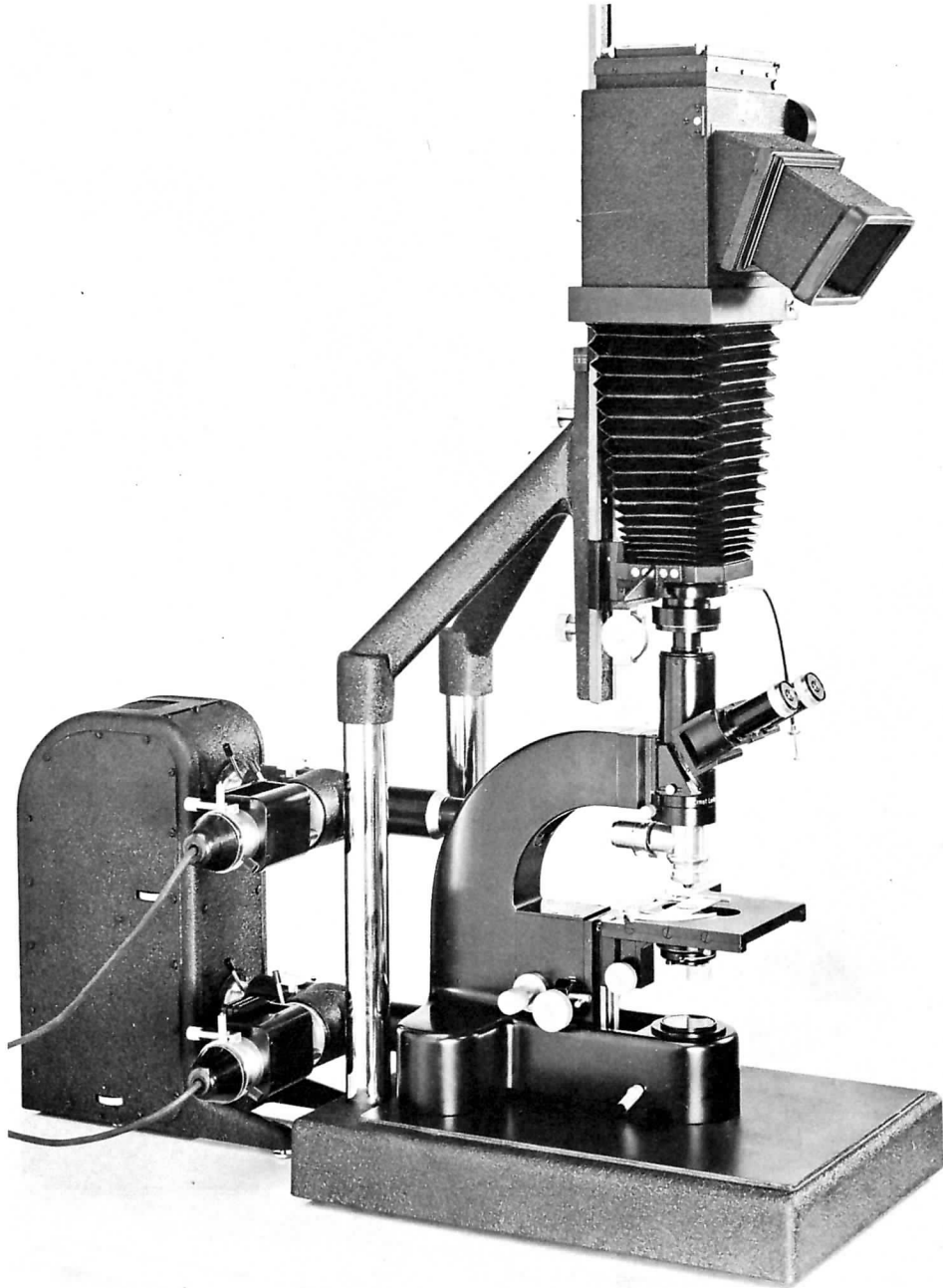
b) for the difference in price between dual transformer and single transformer 36.00

Total Price Reduction ..... \$132.00

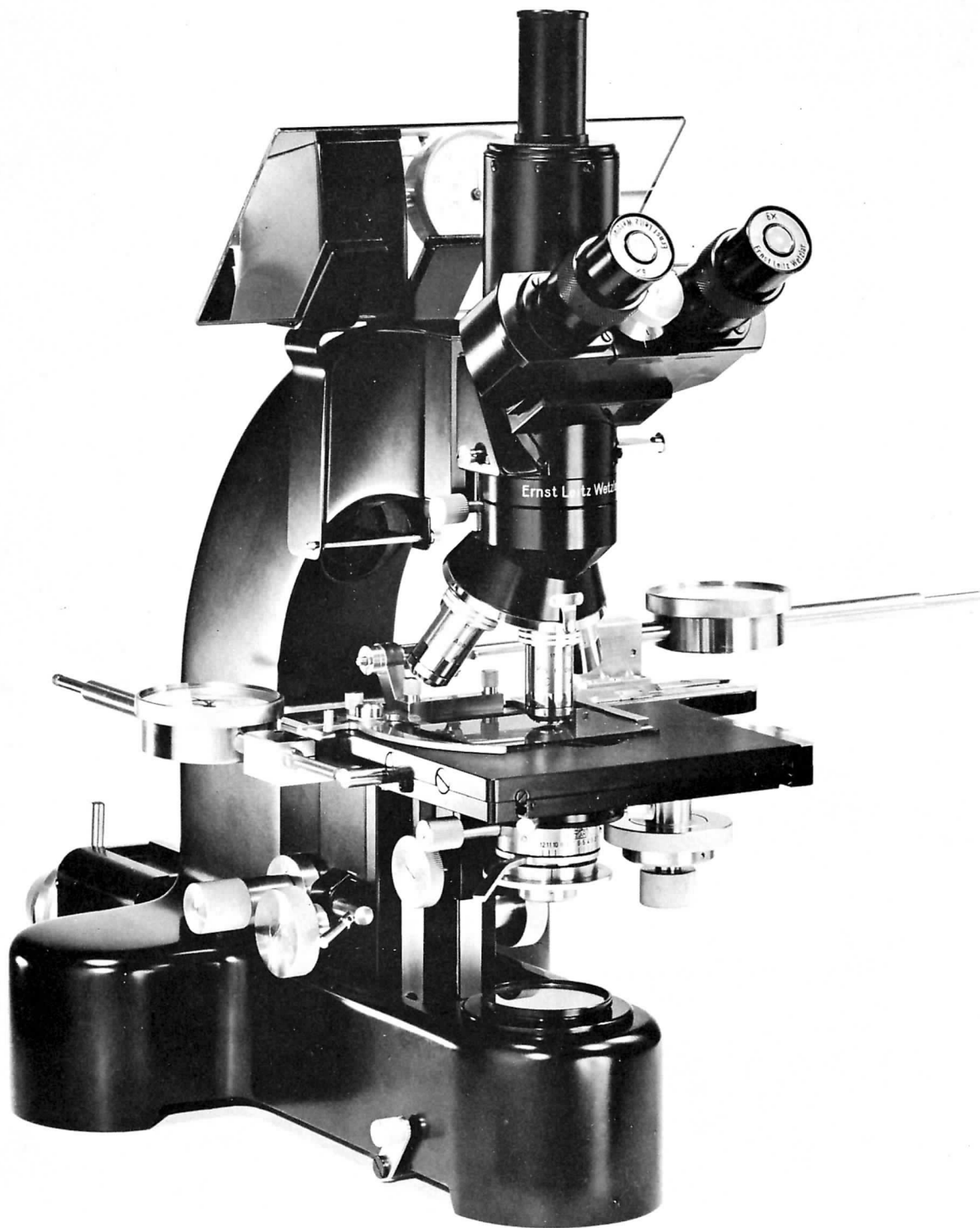


We also supply fluorescence twin lamps for the simultaneous observation of fluorescence in transmitted as well as reflected light.

For full particulars request catalogue No. 54-8/Engl.



UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM  
WITH TWIN FLUORESCENCE LAMPS



UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM  
FOR NUCLEAR TRACK WORK

F. UNIVERSAL DOUBLE LAMP RESEARCH MICROSCOPE ORTHOLUX-UAM FOR NUCLEAR TRACK WORK WITH LONG WORKING DISTANCE OBJECTIVES FOR MICROSCOPIC EXAMINATIONS OF PHOTOGRAPHIC LAYERS.

Microscope Ortholux-UAM-.-.5.4, as described above, without objectives or eyepieces or electrical accessories .....		\$ 765.00
Less upper lamp OLTUB .....		<u>96.00</u>
		\$ 669.00

ELECTRICAL ACCESSORIES:

Regulating transformer for connection to either 110 or 220 Volt alternating current	REDYX	50.00
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ACCESSORIES FOR TRANSMITTED LIGHT:

Interchangeable inclined binocular-monocular photographic tube FS	OIYEESINE	200.00
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Large square mechanical stage # 51 with micrometer dials, accuracy 1/100mm, for the measurement of the horizontal as well as the vertical displacement of the stage, with observation mirror to conveniently read the dials in observation position.	OPALF	400.00
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Two-diaphragm, bright field condenser # 76, with swing-out upper element, in centering mount	ORBER	118.00
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Optical Outfit, consisting of:

Quadruple revolving objective nosepiece on carrier (10-4)	ORKAT	57.00
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Achromatic Objective 25:1, N.A.O.50 (No.4b) for the examination of nuclear track plates of any thickness, coated	ACVIR-FE	40.00
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Achromatic Oil Immersion Objective KS Oil 22:1 N.A.O. 65, 70/2300 micron, free working distance coated	519 04B OBRAN-FE	96.00
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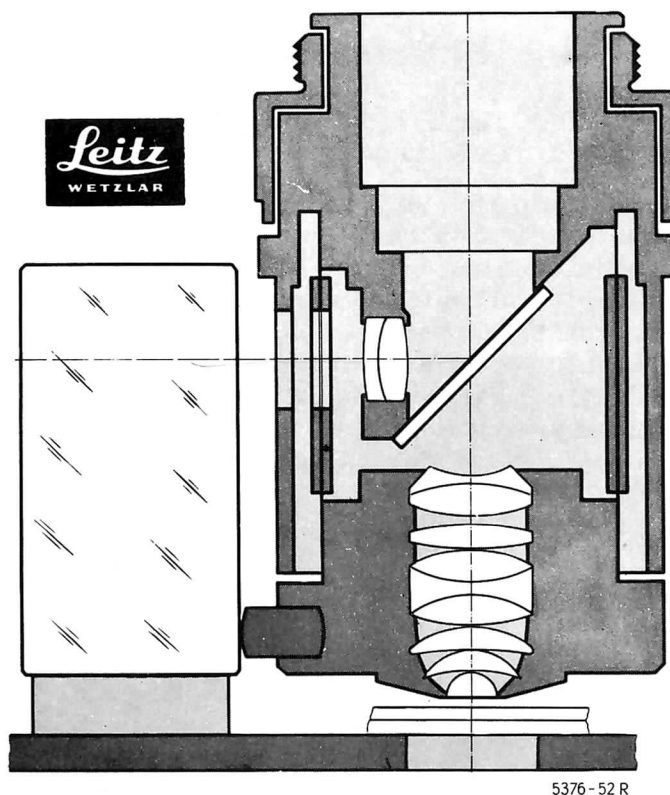
Achromatic Objective KS45:1 N.A.O.65 for emulsion thicknesses after fixing of 50-100 microns, coated	519 042 OBRUT-FE	64.00
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(3) list 30<sup>00</sup>  
263

Joe Black  
took disposal "pool"  
inventory

Fluorite Oil Immersion KS FL-Oil 53:1, N.A.0.95, for emulsion thicknesses from 0 to 1000 microns for the examination of nuclear track plates which remain, after fixing, at a thickness of approx. 1mm. Particularly recommended for the counting of grains and the measurement of track tracings on plates which are more than 370 microns thick after fixing, coated	43 519037	OBSAP-FE	120.00
Apochromatic Objective, KS, Apo 100:1, N.A1.32 for emulsion thicknesses from 0 to 370 microns for grain counts and the measurement of track tracing on plates which remain, after fixing, at a thickness of up to 370 microns. This lens is used in connection with Periplan eyepiece 25x, to determine, at the minimum depth of field, the relative position of two track grains in contact with one another, coated	519037	OBSER-FE	224.00
Paired Periplan eyepieces 10x for the observa- tion of "cosmic ray events"		GIZEM	38.00
Paired Periplan widefield eyepieces 20x for the observation of "cosmic ray events"		PESUV	68.00
Paired Periplan widefield eyepieces 25x for grain counting and observation at a minimum depth of field. This is particularly recommend- ed when measuring differences in height		PETAR	70.00
Micrometer eyepiece 6x, 10 mm : 100 for the measurement of track lengths		OKAME	24.00
Stage micrometer, 1 mm. equals 100 divisions, ruled on glass (OBMET, stage micrometer 2 mm. equals 200 divisions, photographic ruling \$14.00)		OBTER	20.00
Periplan eyepiece 10x for photography		PEZEN	19.00
	<u>TOTAL:</u>		<u>\$ 2,277.00</u>

THE ORTHOLUX-UAM UNIVERSAL RESEARCH MICROSCOPE may also be used to determine the scattering of charged particles in photographic emulsions. A special optical system has been developed which, in conjunction with a stage of appropriate design allows accurate readings up to 10  $\mu$  with a possibility of interpolation to 1  $\mu$



CROSS-SECTION THROUGH SPECIAL OBJECTIVE  
FOR SCATTERING MEASUREMENTS

SPECIFICATIONS:

MICROSCOPE ORTHOLUX-UAM-.-.5.4, AS DESCRIBED ABOVE,  
WITHOUT OBJECTIVES OR EYEPIECES OR ELECTRICAL ACCESSORIES \$ 765.00

LESS upper lamp OLTUB 96.00

\$ 669.00

ELECTRICAL ACCESSORIES:

Regulating transformer for connection to  
either 110 or 220 Volt alternating current REDYX 50.00

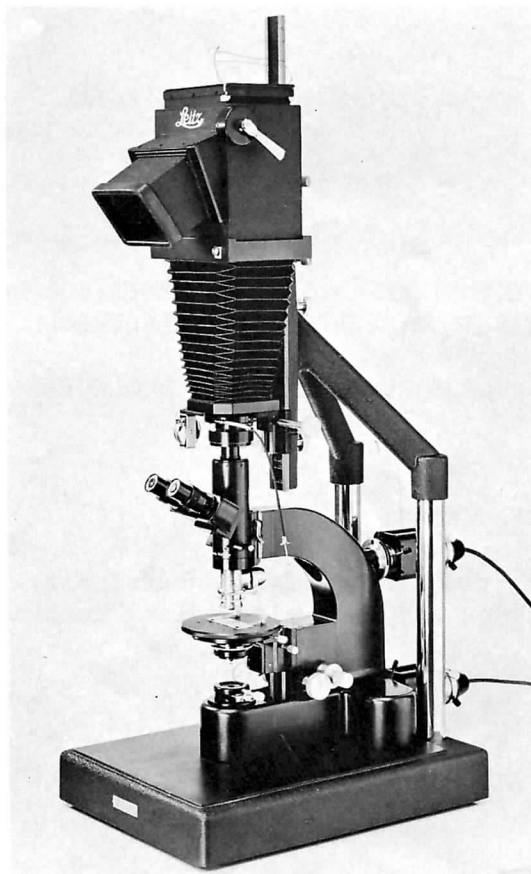
ACCESSORIES FOR TRANSMITTED LIGHT:

Two-diaphragm, bright field condenser # 76,  
with swing-out upper element, in centering  
mount ORBER-Sp 118.00

Greenfilter ORFIL 3.00

Paired widefield eyepieces GF 25x	PETAR	\$ 70.00
Quadruple revolving objective nosepiece on carrier	ORKAT	57.00
Low-voltage lamp 6 V 15 W with regulating transformer RESEV for the illumination of the calibration on the glass flat, red filter, special measuring stage 240x320mm in size, precision optical flat glass rod, special binocular tube for measuring tracks of charged particles, rotating objective 25 : 1, condenser cap with slide ring and spring-loaded collar for the objective, pen- dulum objective KSPD Oil 100/1.32, with approximately 650 $\mu$ free working distance		<u>3,030.00</u>
	TOTAL:	<u>\$ 3,997.00</u>

ACCESSORIES FOR PHOTOMICROGRAPHY



PHOTOMICROGRAPHY APPARATUS ARISTOPHOT II, WITH UNIVERSAL  
RESEARCH MICROSCOPE ORTHOLUX - UAM

4x5  
Polaroid plate  
to fit back  
#1039

PHOTOMICROGRAPHIC APPARATUS ARISTOPHOT II, consisting of:

Large base plate with vertical camera carrier on dual pillar, with prismatic bar, 25" long, but without camera	MADAH	\$ 150.00
Camera bellows 3 1/4" x 4 1/4" with ground glass screen and clear glass screen, with 2 plate holders and inserts for 3 1/4" x 4 1/4" cut film, with focusing magnifier, time and instantaneous shutter with cable release, rack and pinion for focusing the lens in Macrophotography, tape measure and light screening collar	EEVRN	190.00
Mirror reflex attachment with pivoting mirror for observation and critical focusing of the screen image.	PIIAH	120.00
Graflex camera back to accept plate or film holders 4" x 5"	GRAFLOK	55.00
Double film holder for above, 4" x 5" # 1284		4.80
Yellow-green filter	ORFIL	<u>3.00</u>
	<u>TOTAL:</u>	<u>\$ 522.80</u>

Available upon request:

Polaroid Land Camera back for ARISTOPHOT (4" x 5")		\$ 83.50
Focusing screen extension (adapter)		<u>45.00</u>
		<u>\$ 128.50</u>

MICRO-IBSO (35 MM) CAMERA ATTACHMENT,  
(for use directly on binocular photo tube FS):

Camera attachment with lateral observation telescope and time and instantaneous shutter	MIKAS	\$ 115.00
Double cable release	CALOS	11.00
Leica Camera Body, Model lg, without cassette, with shutter speeds from 1 full second to 1/1000 of a second	OCEGO	96.00
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