### Specifications and Prices

# LEITZ LABORATORY AND RESEARCH MICROSCOPES LABOLUX-D AND LABOLUX-UB D

	LEITZ LABORATORY AND RESEARCH MICROSCOPE LABOLUX-D CONSISTING OF:		
051 248	Modern stand, LABOLUX-D, made of non-corroding alloy with coaxial dual knob coarse and fine adjustment (1 interval = 0.002mm), identical controls on either side of the stand for the vertical displacement of the stage along precision ball races and built-in field diaphragm for Koehler Illumination. Dovetail carrier5, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser. Built-in low voltage lamp 6 volts, 15 watts with one each daylight conversion filter CB 16.5 and ground glass; including one spare bulb31. Slot to accept filter slider with one blank slider and flexible plastic dust cover (81,108)	\$	495.00
512 066	Interchangeable, inclined binocular tube S (tube Factor 1.25x) (NACON)		206.00
512 025	Mechanical stage #48, with scales and verniers, low set operating knobs on one axis, traversing area $76 \times 50 \text{mm}$ (3" x 2") (I K R E S)		153.00
512 137	Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW)		59.00
512 067	Quadruple revolving objective nosepiece on interchange carrier 7.4 (NADUR)	_	50.00
	LEITZ Microscope LABOLUX-D 7.4.5.31 S 48/601L as described above	\$	963.00
	OPTICAL EQUIPMENT A2n BINO		
519 036	Achromatic dry objective, 3.5x/0.10, focal length 31.6mm, free working distance 23mm (OANEE)	\$	31.00
519 004	Achromatic dry objective, $10x/0.25$ , focal length 16.3mm, free working distance 5.7mm (ACORA)	Ψ	32.00
519 003	Achromatic dry objective, $40x/0.65$ , focal length 4.46mm, free working distance 0.67mm, with spring loaded mount (ACMAT)		50.00
519 060	Achromatic oil immersion objective, Oil $100x/1.30$ , focal length 1.9mm, free working distance $0.13$ mm, with spring loaded mount (O I L I M-F E)		88.00
519 129	Periplanatic eyepieces, paired $10x^{O}$ , field of view $18\mathrm{mm}$ (PELEK)	_	52.00
	LEITZ Laboratory and Research Microscope LABOLUX-D 7.4.5.31 S 48/601L + A2n Bino complete as described above	\$1	,216.00
500 047	Regulating transformer 6 volts, 2.5 amps, 110 volts A.C. (RESEV)	_	51.00
		<b>\$1</b> ,	, 267.00
	OPTIONAL		
051 305	Leatherette carrying case, horizontal (NEESY)	\$	41.00
512 270	Fitted accessory case		16.00

	LEITZ LABORATORY AND RESEARCH MICROSCOPE LABOLUX-D CONSISTING OF:	
051 248	Modern stand, LABOLUX-D, made of non-corroding alloy with coaxial dual knob coarse and fine adjustment (1 interval = 0.002mm), identical controls on either side of the stand for the vertical displacement of the stage along precision ball races and built-in field diaphragm for Koehler Illumination. Dovetail carrier5, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser. Built-in low voltage lamp 6 volts, 15 watts with one each daylight conversion filter CB 16.5 and ground glass; including one spare bulb31. Slot to accept filter slider with one blank slider and flexible plastic dust cover (81,108)	\$ 495.00
512 072	Interchangeable, inclined binocular observation and straigth monocular photographic tube FS (tube factor 1.25x) (NASEB)	266.00
512 025	Mechanical stage #48, with scales and verniers, low set operating knobs on one axis, traversing area $76 \times 50 \text{mm}$ (3" x 2") (I K R E S)	153.00
512 138	Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)	119.00
512 067	Quadruple revolving objective nosepiece on interchange carrier 7.4 (NADUR)	50.00
	LEITZ Microscope LABOLUX-D 7.4.5.31 FS 48/602L as described above	\$1,083.00
	OPTICAL EQUIPMENT	
519 009	Apochromatic dry objective, Apo 12.5x/0.30, focal length 13.0mm, free working distance 2.5mm (APOSA)	\$ 104.00
519 007	Apochromatic dry objective, Apo 25x/0.65, focal length 7.4mm, free working distance 0.85mm, with spring loaded mount (APOCT)	177.00
519 038	Apochromatic dry objective, Apo $40x/0.95$ , focal length 4.4mm, free working distance 0.12mm, with spring loaded mount (OBPAM)	261.00
519 008	Apochromatic oil immersion objective, Apo Oil 90x/1.32, focal length 2.0mm, free working distance 0.12mm, with spring loaded mount (APOIM)	333.00
519 142	Periplanatic widefield eyepieces, paired GF 10x, field of view 18mm (P E S I S)	70.00
	LEITZ Laboratory and Research Microscope LABOLUX-D 7.4.5.31 FS 48/602L complete with optical equipment as described above	\$2,028.00
500 047	Regulating transformer 6 volts, 2.5 amps, 110 volts, A.C. (RESEV)	\$2,079.00
	OPTIONAL	
051 305	Leatherette carrying case, horizontal (NEESY)	\$ 41.00

512 270

Fitted accessory case

		LABORATORY AND RESEARCH MICROSCOPE LABOLUX-UB D EQUIPPED FOR: RE- FLECTED LIGHT DARKFIELD		
512	157	Modern stand, LABOLUX-UB D, made of non-corroding alloy with coaxial, dual knob coarse and fine adjustment (1 interval = 0.002mm); identical controls on either side of the stand for the vertical displacement of the stage along precision ball races. Dovetail guide for interchangeable object stages; permitting a 60mm vertical adjustment of the object stage independent of the focusing motion. Slot to accept filter slider with one blank slider and Mipolam pad.	\$	410.00
512	036	Flexible plastic protective dust cover		2.00
513	222	ULTROPAK Illuminator with built-in ring mirror, heat absorption filter, two sector diaphragms (90° - 180° and 180° - 360°), slot to accept polarizer and bayonet objective changing device. Built-in low voltage lamp 6 volts, 15 watts with daylight conversion filter CB 16.5, ground glass and green filters 7.12136		215.00
512	066	Interchangeable, inclined binocular observation tube S (tube factor 1.25x)		206.00
512	011	Gliding stage #249, range of displacement 70 x 70mm; on interchange carrier		178.00
		LEITZ Microscope LABOLUX-UB D 7.12136 S 249/- as described above	<b>\$1</b> ,	011.00
		OPTICAL EQUIPMENT	•	00
513	003	Achromatic dry objective, UO 3.8x/0.12 with ring condenser, free working distance 33mm	\$	57.00
513	004	Achromatic dry objective, UO 6.5x/0.18 with ring condenser, free working distance 16.2mm		82.00
513	005	Achromatic dry objective, UO 11x/0.25 with ring condenser, free working distance 5.8mm		99.00
513	006	Achromatic dry objective, UO 22x/0.45 with ring condenser, free working distance 2.2mm		113.00
513	119	Achromatic dry objective, UO 32x/0.55 with ring condenser, free working distance 1.0mm		120.00
513	007	Achromatic dry objective, UO 50x/0.65 with ring condenser, free working distance 0.7mm		133.00
519	030	Huyghens eyepieces, paired 6x, field of view 17mm		22.00
519	129	Periplanatic eyepieces, paired 10x <sup>o</sup> , field of view 18mm	_	52.00
		LEITZ Laboratory and Research Microscope LABOLUX-UB D 7.12136 S 249/- complete with optical equipment as described above	\$1,	689.00
500	047	Regulating transformer 6 volts, 2.5 amps for connection to 110/120 volts, 60 cycles A.C.		51.00
			\$1	740.00
		OPTIONAL EQUIPMENT, POL ACCESSORIES FOR ULTROPAK		
513	173	Filter polarizer in mount	\$	55.00
513	074	Filter analyser (fitting filter slider)		40.00
		SUPPLEMENTARY EQUIPMENT FOR TRANSMITTED LIGHT		
512	071	Collector lens	\$	42.00
512	133	Low voltage lamp 6 volts, 2.5 amps with daylight conversion filter CB 16.5, ground glass and green filter; including one spare bulb31		51.00
513	176	Illumination centering disc		1.00
512	139	Adjustable field diaphragm and dust protective glass (fitting in place of dust protective glass in base of microscope)		19.00
512	118	Dovetail carrier8, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser		52.00
512	067	Quadruple revolving objective nosepiece on interchange carrier 7.4		50.00

### NOTE:

The LABOLUX-UB D, when equipped with a substage rack and pinion with carrier, accepts the same condensers as the standard LABOLUX-D microscope. The objectives for transmitted light can be selected from the table on pages 19 and 20.

	LEITZ LABORATORY AND RESEARCH PHASE (ZERNIKE) MICROSCOPE LABOLUX-D CONSISTING OF:	
051 2	and fine adjustment (1 interval = 0.002mm), identical controls on either side of the stand for the vertical displacement of the stage along precision ball races and built-in field diaphragm for Koehler Illumination. Dovetail carrier5, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser. Built-in low voltage lamp 6 volts, 15 watts with one each daylight conversion filter CB 16.5 and ground glass; including one spare bulb31. Slot to accept filter slider with one blank slider and	\$ 495.00
512 0	6 Interchangeable, inclined binocular tube S (tube factor 1.25x) (NACON)	206.00
512 0	Mechanical stage #48, with scales and verniers, low set operating knobs on one axis, traversing area 76 x 50mm (3" x 2") (I K R E S)	153.00
513 1	Phase contrast condenser, PHACO #402aL, with lower element, aperture diaphragm, centering mount, swing out upper element Achr. 0.90 and revolving disc with lens for bright-field (H), three phase annular diaphragms, central stop for darkfield and one blank setting; on dovetail carrier (RAFIX)	163.00
512 0	7 Quadruple revolving objective nosepiece on interchange carrier 7.4 (NADUR)	50.00
	LEITZ Microscope LABOLUX-D 7.4.5.31 S 48/402aL as described above	\$1,067.00
519 1	OPTICAL EQUIPMENT C10 BINO  Achromatic dry phase objective, PHACO 10x/0.25, free working distance 7.7mm (RABE S)	<b>e</b> 74.00
519 1		\$ 74.00
	spring loaded mount (RABIT)	102.00
519 1	7 Achromatic oil immersion phase objective, PHACO Oil 100x/1.30, free working distance 0.17mm, with spring loaded mount (RABOW)	145.00
513 1	3 Magnifier for focusing the phase ring (PHADS)	34.00
519 1	Periplanatic widefield eyepieces, paired GF 10x, field of view 18mm (PESIS)	70.00
	LEITZ Laboratory and Research Phase Microscope LABOLUX-D 7.4.5.31 S 48/402aL com- plete with optical equipment C10 as described above	\$1,492.00
500 0	Regulating transformer 6 volts, 2.5 amps, 110 volts A.C. (RESEV)	51.00
		\$1,543.00
	ODTIONAL	
051 3	OPTIONAL  Leatherette carrying case, horizontal (NEESY)	\$ 41.00

22.00

513 179

Phase accessory case

		LEITZ LABORATORY AND RESEARCH PHASE (HEINE) MICROSCOPE LABOLUX-D CONSISTING OF:		
051 2	248	Modern stand, LABOLUX-D, made of non-corroding alloy with coaxial dual knob coarse and fine adjustment (1 interval = 0.002mm), identical controls on either side of the stand for the vertical displacement of the stage along precision ball races and built-in field diaphragm for Koehler Illumination. Dovetail carrier5, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser. Built-in low voltage lamp 6 volts, 15 watts with one each daylight conversion filter CB 16.5 and ground glass; including one spare bulb31. Slot to accept filter slider with one blank slider and flexible plastic dust cover (81, 108)	\$	495.00
512 0	72	Interchangeable, inclined binocular observation and straight monocular photographic tube FS (tube factor 1.25x) (NASEB)		266.00
512 (	25	Mechanical stage #48, with scales and verniers, low set operating knobs on one axis, traversing area 76 x 50mm (3" x 2") (I K R E S)		153.00
513	1 <b>2</b> 5	Phase contrast condenser, Pv #64, with control knob for the vertical adjustment of the mirror component through three intermediate settings (brightfield, phase contrast and darkfield) N. A. 0.25 to 0.70 and screw-on immersion cap N. A. 1.40; on dovetail carrier		1=0.00
		(PHAKY)		173.00
512	067	Quadruple revolving objective nosepiece on interchange carrier 7.4 (NADUR)	_	50.00
		LEITZ Microscope LABOLUX-D 7.4.5.31 FS 48/64 as described above	\$1	, 137.00
519	149	OPTICAL EQUIPMENT  Achromatic dry phase objective, Pv 10x/0.25 normal contrast, free working distance 5.8mm	\$	71.00
		(PHALZ)	Ψ	
519	153	Immersion attachment for Pv 10x objective (PHAWK)		13.00
519	150	Achromatic dry phase objective, Pv $25x/0.50$ normal contrast, free working distance 0.9mm, with spring loaded mount (PHANC)		114.00
519	151	Apochromatic dry phase objective, Pv Apo $40x/0.70$ normal contrast, free working distance 0.38mm, with spring loaded mount (PHASG)		261.00
519	152	Apochromatic oil immersion phase objective, Pv Apo Oil 90x/1.15 normal contrast, free working distance 0.12mm, with spring loaded mount (PHATH)		329.00
513	123	Magnifier for focusing the phase ring (PHADS)		34.00
519	142	Periplanatic widefield eyepieces, paired GF 10x, field of view 18mm (PESIS)	_	70.00
		LEITZ Laboratory and Research Phase Microscope LABOLUX-D 7.4.5.31 FS 48/64 complete with optical equipment as described above	\$2	,029.00
500	047	Regulating transformer 6 volts, 2.5 amps, 110 volts A.C. (RESEV)		51.00
			\$2	,080.00
		OPTIONAL		

Leatherette carrying case, horizontal (NEESY)

051 305

41.00

		LEITZ LABORATORY AND RESEARCH FLUORESCENCE MICROSCOPE LABOLUX-D CONSISTING OF:		
051	248	Modern stand, LABOLUX-D, made of non-corroding alloy with coaxial dual knob coarse and fine adjustment (1 interval = 0.002mm), identical controls on either side of the stand for the vertical displacement of the stage along precision ball races and built-in field diaphragm for Koehler Illumination. Dovetail carrier5, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser. Built-in low voltage lamp 6 volts, 15 watts with one each daylight conversion filter CB 16.5 and ground glass; including one spare bulb31. Slot to accept filter slider with one blank slider and flexible plastic dust cover (81,108)	\$	495.00
512	066	Interchangeable, inclined binocular observation tube S (tube factor 1.25x) (NACON)		206.00
512	025	Mechanical stage #48, with scales and verniers, low set operating knobs on one axis, traversing area $76 \times 50 \text{mm}$ (3" x 2") (I K R E S)		153.00
512	137	Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW)		59.00
513	109	Immersion darkfield condenser in centering mount D 1.20, #82; on dovetail carrier (ORCIX)		87.00
512	067	Quadruple revolving objective nosepiece on interchange carrier 7.4 (NADUR)		50.00
		LEITZ Microscope LABOLUX-D 7.4.5.31 S 48/601L - 82 as described above	\$1,	,050.00
		OPTICAL EQUIPMENT		
519	004	Achromatic dry objective, $10x/0.25$ , focal length 16.3mm, free working distance 5.7mm (ACORA)	\$	32.00
519	006	Achromatic dry objective, $25x/0.50$ , focal length 7.1mm, free working distance 0.92mm, with spring loaded mount (ACVIR)		59.00
519	027	Fluorite oil immersion objective, Fl Oil 54x/0.95, focal length 3.4mm, free working distance 0.22mm, with spring loaded mount (FLUIM)		145.00
519	045	Achromatic oil immersion objective, Oil 100x/1.30-1.10 with built-in iris diaphragm, focal length 1.9mm, free working distance 0.13mm, with spring loaded mount (OBSOT)		147.00
519	129	Periplanatic eyepieces, paired 10x <sup>o</sup> , field of view 18mm (PELEK)		52.00
514	102	FLUORESCENCE EQUIPMENT Universal Lamp Housing Model #250 with filter changing device, reflector and two lens		
		collector. Base "B" with carrier plate #17 for the proper elevation of the microscope and the mirror housing. Lamp socket, high pressure mercury burner HBO 200 Type L II and heat sink to prevent the excessive build-up of heat in the burner and thereby prolonging its life. Pair of protective goggles for use when adjusting the burner. Mirror housing #15 with swing out deflecting mirror, for the reception of the low voltage lamp; permitting rapid change from mercury burner for fluorescence to the low voltage lamp for observation in brightfield; including protective dust cover for the complete microscope and lamp housing (NEMEH)	\$	560.00
514	027	Heat filter 2mm, KG 1, unmounted (LODE S)		7.00
514	033	Heat filter 4mm, BG 38, mounted (LOERN)		10.00
514	029	UV filter 2mm, UG 1, mounted (LODOV)		10.00
514	032	Blue filter 3mm, BG 12, mounted (LOEHF)		10.00
050	220	Ignitor, choke and special transformer for HBO 200, 110/120 volts A.C. (81,851)		214.00
		BARRIER FILTERS	•	04.00
	007	Filter slider with one each barrier filter K 430 and K 460 (I G G A V)	\$	24.00
514	118	Filter slider with one each barrier filter K 510 and K 530 (I G KOC)	_	24.00
	0.45	LEITZ Laboratory and Research Fluorescence Microscope LABOLUX-D 7.4.5.31 S 48/601L - 82 complete with optical equipment as described above	\$2	, 344.00
500	047	Regulating transformer 6 volts, 2.5 amps for connection to 110/120 volts, 60 cycles A.C. (RESEV)	<u></u>	51.00 , 395.00
			-	

	LEITZ LABORATORY AND RESEARCH PHASE FLUORESCENCE MICROSCOPE LABOLUX-D CONSISTING OF:	
051 248	Modern stand, LABOLUX-D, made of non-corroding alloy with coaxial dual knob coarse and fine adjustment (1 interval = 0.002mm), identical controls on either side of the stand for the vertical displacement of the stage along precision ball races and built-in field diaphragm for Koehler Illumination. Dovetail carrier5, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser. Built-in low voltage lamp 6 volts, 15 watts with one each daylight conversion filter CB 16.5 and ground glass; including one spare bulb31. Slot to accept filter slider with one blank slider and flexible plastic dust cover (81,108)	495.00
512 066	Interchangeable, inclined binocular observation tube S (tube factor 1.25x) (NACON)	206.00
512 025	Mechanical stage #48, with scales and verniers, low set operating knobs on one axis, traversing area $76 \times 50 \text{mm}$ (3" x 2") (I K R E S)	153.00
513 157	Phase contrast-fluorescence condenser, PHACO #402aaL, with lower element, aperture diaphragm, centering mount, swing-out upper element Achr. 0.90 and revolving disc with six settings; H-brightfield, 1 normal phase contrast with PHACO $10x/0.25$ objective, 2 phase contrast and UV fluorescence with PHACO $40x/0.65$ objective, 3 phase contrast and blue fluorescence with PHACO $40x/0.65$ objective, 4 phase contrast and UV fluorescence with PHACO Oil $100x/1.30$ objective and 5 phase contrast and blue fluorescence with PHACO Oil $100x/1.30$ objective (RAFOY)	254.00
512 037	Quadruple revolving objective nosepiece on interchange carrier 7.4 (NADUR)	50.00
	LEITZ Microscope LABOLUX-D 7.4.5.31 S 48/402aaL as described above	\$1,158.00
	OPTICAL EQUIPMENT	
519 165	Achromatic dry phase objective, PHACO 10x/0.25, free working distance 7.7mm (RABES)	\$ 74.00
519 166	Achromatic dry phase objective, PHACO 40x/0.65, free working distance 0.71mm, with spring loaded mount (RABIT)	102.00
519 167	Achromatic oil immersion phase objective, PHACO Oil 100x/1.30, free working distance 0.17mm, with spring loaded mount (RABOW)	145.00
513 123	Magnifier for focusing the phase ring (PHADS)	34.00
519 142	Periplanatic widefield eyepieces, paired GF 10x, field of view 18mm (PESIS)	70.00
514 151	FLUORESCENCE EQUIPMENT  Universal Lamp Housing Model #250 with filter changing device. reflector and two lens collector. Base "B" with carrier plate #17 for the proper elevation of the microscope and the mirror housing. Lamp socket, high pressure mercury burner HBO 200 type L II and	
	heat sink to prevent the excessive build-up of heat in the burner and thereby prolonging its life. Pair of protective goggles for use when adjusting the burner. Mirror housing #15s with beam splitter and swing-out deflecting mirror for the reception of the low voltage lamp; permitting rapid change from mercury burner for fluorescence to the low voltage lamp for observation in brightfield. Protective dust cover for the complete microscope and lamp housing (NETIP)	\$ 601.00
513 142	Filter OG 2 (RACET)	12.00
514 027	Heat filter 2mm, KG 1, unmounted (LODE S)	7.00
514 033	Heat filter 4mm, BG 38, mounted (LOERN)	10.00
514 029	UV filter 2mm, UG 1, mounted (LODOV)	10.00
514 032	Blue filter 3mm, BG 12, mounted (LOEHF)	10.00
050 220	Ignitor, choke and special transformer for HBO 200, 110/120 volts A.C. (81,851)	214.00
	BARRIER FILTERS	
514 007	Filter slider with one each barrier filter K 430 and K 460 (IGGAV)	\$ 24.00
514 118	Filter slider with one each barrier filter K 510 and K 530 (IGKOC)	24.00
	LEITZ Laboratory and Research Phase Fluorescence Microscope LABOLUX-D 7.4.5.31 S 48/402aaL complete with optical equipment as described above	\$2,495.00
500 047	Regulating transformer 6 volts, 2.5 amps for connection to 110/120 volts, 60 cycles A.C.	#4 AA
	(RESEV)	51.00
		\$2,546.00

LEITZ LABORATORY AND RESEARCH PHASE FLUORESCENCE MICROSCOPE LABOLUX-D

= 4.0		OPTIONAL EQUIPMENT	Ф	40.00
512		Interchangeable, inclined monocular observation tube P (NACIM)	\$	40.00
512	072	Interchangeable, inclined binocular observation and straight monocular photographic tube FS (N ASEB)		266.00
513	111	Dry darkfield condenser with centering mount #84, D 0.80; on dovetail carrier (OREBK)		120.00
514	146	Stray light shielding device		24.00
		ADDITIONAL, HIGH INTENSITY LIGHT SOURCE FOR LABOLUX-D MICROSCOPE XENON LAMP XBO 150		
514	099	Universal Lamp Housing Model #250 with filter changing device, reflector and two lens collector. Base "B" with carrier plate #17 for the proper elevation of the microscope and the mirror housing. Lamp socket, high intensity xenon burner XBO 150W and pair of protective goggles for use when adjusting the burner. Mirror housing #15 with swing out deflecting mirror for the reception of the low voltage lamp; permitting rapid change from xenon burner to the low voltage lamp. Protective dust cover for the complete microscope and lamp housing (N E I H P)	\$	653.00
514	040	Heat absorbing filter B1/K2, unmounted (LOIHG)		19.00
514	031	Grey filter 0.2%, mounted (LOEBY)		10.00
514	036	Grey filter 5%, mounted (LOFIV)		10.00
514	041	Green filter 1.5mm, VG 9, mounted (LOILK)		10.00
514	028	Dispersion disc R, mounted (LODIT)		9.00
514	042	Dispersion disc N, mounted (LOIRP)		7.00
514	034	Case for filters (LOFAS)		10.00
050	230	Power supply for XBO 150W Xenon lamp, regulated to supply constant current, maintaining light output within + or - 1%; for connection to 100/130 volts A.C. (82,776)	_	440.00
			\$1	,168.00
562	019	Paired neutral density eyepiece filters, NG 3 (MEFIX)	\$	14.00
		OPTIONAL ACCESSORIES FOR MICROPROJECTION		
512	064	Interchangeable, straight monocular photographic tube O (NACEL)	\$	23.00
513	137	Attachable reflecting prism, with adjusting screw (PRIAU-C)		34.00
		VIEWING AND DEMONSTRATION SCREEN		
513	138	Viewing and demonstration screen 155mm $\phi$ with ground glass, fresnel lens, image erecting prism and built-in periplanatic widefield eyepiece GF 10xM (PRUFS)	\$	353.00
513	139	Viewing and demonstration screen as described above, however with reticle for grain size measurements (PRULY)		374.00
051	386	Viewing and demonstration screen with ground glass 150mm $\phi$ (requires GF 10x eyepiece) (81,986)		180.00
519	137	Periplanatic widefield eyepiece GF 10x (PERIR)		35.00

	UNIVERSAL LAMP HOUSING MODEL #250 IN CONJUNCTION WITH LABOLUX MICROSCOPE AND ARISTOPHOT		
514 083	Universal Lamp Housing Model #250 with filter changing device, reflector and two lens collector. Lamp socket, high intensity Xenon burner XBO 150W and pair of protective goggles for use when adjusting the burner. Lamp holder with clamping brackets fitting the twin columns of the ARISTOPHOT stand for the proper alignment of the mirror housing to the microscope. Mirror housing #15 with swing out deflecting mirror for the reception of the low voltage lamp; permitting rapid change from xenon burner to the low voltage lamp (MAUPT)	\$	685.00
514 040	Heat absorbing filter B1/K2, unmounted (LOIHG)		19.00
514 031	Grey filter 0.2%, mounted (LOEBY)		10.00
514 036	Grey filter 5%, mounted (LOFIV)		10.00
514 041	Green filter 1.5mm, VG 9, mounted (LOILK)		10.00
514 028	Dispersion disc R, mounted (LODIT)		9.00
514 042	Dispersion disc N, mounted (LOIRP)		7.00
514 034	Case for filters (LOFAS)		10.00
050 230	Power supply for XBO 150W Xenon lamp, regulated to supply constant current, maintaining light output within + or - 1%; for connection to 100/130 volts A.C. (82,776)	_	440.00
		\$1	,200.00
562 019	Paired neutral density eyepiece filters NG 3 (MEFIX)	\$	14.00
	MERCURY LAMP HBO 200		
514 086	Universal Lamp Housing Model #250 with filter changing device, reflector and two lens collector. Lamp socket, high pressure mercury burner HBO 200 Type L II, pair of protective goggles for use when adjusting the burner and heat sink to prevent the excessive build-up of heat in the burner and thereby prolonging its life. Lamp holder with clamping brackets fitting the twin columns of the ARISTOPHOT stand for the proper alignment of the mirror housing to the microscope. Mirror housing #15 with swing out deflecting mirror for the reception to the low voltage lamp; permitting rapid change from mercury burner for fluorescence to the low voltage lamp for observation in brightfield (MAVOC)	\$	592.00
514 027	Heat filter 2mm, KG 1, unmounted (LODE S)		7.00
514 033	Heat filter 4mm, BG 38, mounted (LOERN)		10.00
514 029	UV filter 2mm, UG 1, mounted (LODOV)		10.00
514 032	Blue filter 3mm, BG 12, mounted (LOEHF)		10.00
050 220	Ignitor, choke and special transformer for HBO 200, 110/120 volts A.C. (81,851)		214.00
		\$	843.00
	INTERCHANGEABLE COMPONENTS FOR LAMP HOUSING #250 FOR LABOLUX-D MICROSCOPES		
514 025	Universal lamp housing model #250 with filter changing device, reflector, two lens collector and control knobs for adjusting the bulb and collector (LOARM)	\$	304.00
514 050	Elevating base "B" for LABOLUX-D Microscope (LONEC)		53.00
514 051	Carrier plate #17 with bayonet mount (LONOF)		19.00
514 026	Mirror housing #15 with swing out deflecting mirror (LOBEP)		55.00
514 016	Mirror housing #15s with beam splitter and swing out deflecting mirror (required for phase fluorescence) (I G PAD)		96.00
514 062	Lamp holder with clamping brackets fitting the twin columns of the ARISTOPHOT stand and mirror housing #15 with swing out deflecting mirror (LOTOK)		164.00
514 020	Lamp holder with clamping brackets fitting the twin columns of the ARISTOPHOT stand and mirror housing #15s with beam splitter and swing out deflecting mirror (required for phase fluorescence) (I G P U J)		205.00
512 040	Protective dust cover (ISMEL)		5.00
<del></del>			

## FILTERS, SPARE BULBS AND REPLACEMENT PARTS FOR LABOLUX-D LIGHT SOURCES

	A) LOW VOLTAGE LAMP 6 VOLTS, 15 WATTS31		
512 075	Daylight conversion filter CB 16.5 (NOBAW)	\$	7.00
512 076	Ground glass filter (NOBEX)	·	6.00
512 077	Green filter (NOBOZ)		6.00
513 176	Illumination centering disc		1.00
500 012	Bulb 6 volts, 15 watts (LINOP)		3.00
512 061	Lamp socket with connecting cable (LINUR)		25.00
500 046	Four step transformer 6 volts, 2.5 amps for connection to 110/120 volts, 60 cycles A.C. (REROW)		25.00
500 047	Regulating transformer 6 volts, 2.5 amps for connection to 110/120 volts, 60 cycles A.C. (RESEV)		51.00
500 048	Regulating transformer with ammeter 6 volts, 2.5 amps for connection to $110/120$ volts, 60 cycles A.C. (RETAV)		74.00
552 041	Plane and concave mirror in mount (PEJUL)		17.00
	B) MERCURY BURNER, HBO 200		
500 016	Mercury burner HBO 200, type L II (89,194)	\$	47.00
514 073	Heat sink (LUAHG)	,	11.00
514 073	Pair of protective goggles (LOHUZ)		3.00
514 065	Lamp socket for HBO 200 (LOULM)		63.00
050 220	Ignitor, choke and special transformer for HBO 200, 110/120 volts A.C. (81,851)		214.00
000 220	<b>28</b>		
514 027	Heat filter 2mm, KG 1, unmounted (LODES)	\$	7.00
514 033	Heat filter 4mm, BG 38, mounted (LOERN)		10.00
514 029	UV filter 2mm, UG 1, mounted (LODOV)		10.00
514 032	Blue filter 3mm, BG 12, mounted (LOEHF)		10.00
514 057	UV filter 1mm, UG 1, mounted (LOSOJ)	\$	10.00
514 058	UV filter 1mm, UG 5, mounted (LOSUK)		13.00
051 484	UV filter 2mm, UG 2, unmounted (89,384)		8.00
051 488	UV filter 2mm, UG 5, unmounted (89,388)		8.00
514 035	UV filter 3mm, UG 5, mounted (LOFET)		18.00
514 059	Blue filter 1.5mm, BG 12, mounted (LOTAG)		10.00
051 480	Blue filter 2mm, BG 12, unmounted (89,380)		8.00
514 030	Blue filter 5mm, BG 12, mounted (LODUW)		10.00
514 015	Blue filter 3mm, BG 3, mounted (IGKAY)		11.00
A=4 100	7114 0 CC 0	\$	8.00
051 486	Filter 2mm, GG 9, unmounted (89,386)	Ψ	8.00
051 492	Filter 2mm, #5840, unmounted (89, 392)		8.00
051 490	Filter 2mm, #5970, unmounted (89,390) UV cover glass VG 5, 18 x 18mm (LUPEL)		2.00
514 080 514 034	Case for filters (LOFAS)		10.00
514 034	Case IOI IIIIGIS (LICITIO)		

	C) XENON BURNER, XBO 150W		
500 008	Xenon burner XBO 150W (LAZEB)	\$	148.00
514 039	Pair of protective goggles (LOHUZ)		3.00
514 038	Lamp socket for XBO 150W (LOHEW)		66.00
050 230	Power supply for XBO 150W xenon lamp, regulated to supply constant current, maintaining		
	light output within + or - 1%; for connection to 100/130 volts A.C. (82,776)		440.00
514 040	Heat filter B1/K2, unmounted (LOIHG)		19.00
514 031	Grey filter 0.2%, mounted (LOEBY)		10.00
514 036	Grey filter 5%, mounted (LOFIV)		10.00
514 041	Green filter 1.5mm, VG 9, mounted (LOILK)		10.00
514 028	Dispersion disc R, mounted (LODIT)		9.00
514 042	Dipsersion disc N, mounted (LOIRP)		7.00
514 034	Case for filters (LOFAS)		10.00
	BARRIER FILTERS		
	A) For LABOLUX without provision for filter slider		
514 048	Filter K 430, mounted (LOMOD)	\$	12.00
514 012	Filter K 460, mounted (I G J E Y)		12.00
514 013	Filter K 470, mounted (I G J I Z)		12.00
514 014	Filter K 490, mounted (I G J O B)		12.00
514 117	Filter K 510, mounted (I G K E Z)		12.00
514 046	Filter K 530, mounted (LOMEB)		12.00
	B) For LABOLUX-D with provision for filter slider		
514 007	Slider with one each barrier filter K 430 and K 460 (I G G A V)	\$	24.00
514 008	Slider with one each barrier filter K 470 and K 490 (IGGEW)		24.00
514 118	Slider with one each barrier filter K 510 and K 530 (I G KOC)		24.00
	C) For eyepieces (in screw-in mount)	•	
514 005	Filter, blue absorbing (EEUQM)	\$	8.00
514 003	Filter, UV absorbing (DQEER)		7.00
	IMMERSION OIL		
513 035	Bottle, 10 grams (DOLEO)	\$	1.00
513 059	Bottle, 50 grams (IMMAV)		2.00
513 060	Bottle, 100 grams (IMMEW)		3.00
513 061	Bottle, 250 grams (I M M I X)		6.60
513 062	Bottle, 500 grams (IMMOY)		12.00
513 063	Bottle, 1000 grams (IMMUZ)		20.00
	IMMERSION OIL, FREE OF FLUORESCENCE		
513 036	Bottle, 10 grams (EEUCH)	\$	1.40
513 064	Bottle, 50 grams (IMNAW)		2.60
513 065	Bottle, 100 grams (IMNEX)		3.80
513 066	Bottle, 250 grams (IMNO Z)		7.60
513 067	Bottle, 500 grams (IMNUB)		13.00
513 068	Bottle, 1000 grams (IMOBS)		24.00
513 108	Combination bottle for immersion oil and XYLOL (OLBAD)	\$	2.00
010 100	Communication of Annior Store Of Mile ATHOLI (OHDAD)	Ψ	2.00

## INTERCHANGEABLE PARTS AND ACCESSORIES

512 064 Straight monocular photographic tube O (NACEL)  512 065 Inclined monocular observation tube P (NACIM)  512 066 Inclined binocular observation tube S (tube factor 1.25x) (NACON)  512 072 Combination, inclined binocular observation and straight monocular photographic tube FS (tube factor 1.25x) (NASEB)  512 115 Combination, inclined binocular observation and straight monocular photographic tube FSA with automatic focusing compensation for the adjustment of the interpupillary distance. Prism on slider can be switched in and out to direct the light at a ratio of 80% to the camera and 20% to the binocular tube. A second prism position directs 100% of the light into the binocular tube, for observation (ORFOB)  512 123 Mechanical stage #26, with scales and verniers, traversing area 76 x 50mm (3" x 2") (PZKEE)  513 025 Mechanical stage #48, with scales and verniers, low set operating knobs on one axis,			miliona		
512 065 Inclined monocular observation tube P (NACIM)  512 076 Inclined binocular observation tube S (tube factor 1.25x) (NACON)  512 077 (Cumbination, inclined binocular observation and straight monocular photographic tube FS (tube factor 1.25x) (NASEB)  512 115 Combination, inclined binocular observation and straight monocular photographic tube FSA with automatic focusing compensation for the adjustment of the interpupillary distance. Prism on silder can be switched in and out to direct the light at a ratio of 80% to the camera and 20% to the binocular tube. A second prism position directs 100% of the light into the binocular tube, for observation (ORFOE)  512 123 Mechanical stage 828, with scales and verniers, traversing area 76 x 50mm (3" x 2") (PZKEE)  512 128 Rotating and centering object stage 823, 130mm \$\phi\$ (IK-SOW)  512 129 Mechanical stage \$48, with scales and verniers, low set operating knobs on one axis, traversing area 76 x 50mm (3" x 2") (IKRES)  512 128 Rotating and centering object stage \$23, 130mm \$\phi\$ (IK-SOW)  512 129 Pinin square object stage \$218, 140 x 140mm; on interchange carrier (for reflected light only (DINC) (DINC)  512 129 Rotating and centering object stage \$23, 130mm \$\phi\$; on interchange carrier (IDIRF)  512 011 Giding stage \$484, traversing area 70 x 70mm for reflected light and 35 x 40mm for transmitted light; on interchange carrier (DITH)  512 118 Dovestall carrier "	£19	064	TUBES Straight managular photographia tube O (NACET)	Ф	00.00
512 066 Inclined binocular observation tube S (tube factor 1.25x) (NACON)  Combination, inclined binocular observation and straight monocular photographic tube FS (255.00 (ASEB))  Combination, inclined binocular observation and straight monocular photographic tube FS (255.00 (ASEB))  Combination, inclined binocular observation and straight monocular photographic tube FS (255.00 (ASEB))  Combination, inclined binocular observation and straight monocular photographic tube FS (255.00 (ASEB))  Combination, inclined binocular observation and straight monocular photographic tube FS (255.00 (ASEB))  Combination, inclined binocular observation and straight monocular photographic tube FS (255.00 (ASEB))  STAGES  A) FOR LABOLUX-D  STAGES  A) FOR LABOLUX-D  B) Mechanical stage #38, with scales and verniers, traversing area 76 x 50mm (3" x 2") (IX ES)  512 128 Rotating and centering object stage #218, 140 x 140mm; on interchange carrier (for reflected light only) (ID IN C)				\$	
512 072 Combination, inclined binocular observation and straight monocular photographic tube FS (tube factor 1.250, CNA SEB)  512 115 Combination, inclined binocular observation and straight monocular photographic tube FSA with automatic focusing compensation for the adjustment of the interpupillary distance. Prism on silder can be switched in and out to direct the light at a rate of 80% to the cancer and 80% to the binocular tube. A second prism position directs 100% of the light into the binocular tube, for observation (OR FOB)  STAGES  A) FOR LABOLUX-D  512 123 Mechanical stage #28, with scales and verniers, traversing area 76 x 50mm (3" x 2") (F2 KEE)  512 025 Mechanical stage #48, with scales and verniers, low set operating knobs on one axis, traversing area 76 x 50mm (3" x 2") (I K R ES)  512 126 Rotating and centering object stage \$23, 130mm \$					
(tube factor 1.25%) (NA SEB)  266.00  Combination, inclined binocular observation and straight monocular photographic tube FSA with automatic focusing compensation for the adjustment of the interpupillary distance. Prism on slider can be switched in and out to direct the light at a ratio of 80% to be camera and 20% to the binocular tube. A second prism position directs 100% of the light into the binocular tube, for observation (ORFOB)  STAGES  A) FOR LABOLUX-D  Mechanical stage #28, with scales and verniers, traversing area 78 x 50mm (3" x 2") (I K R S)  512 128 Rotating and centering object stage #23, 130mm \$\phi\$ (I K-SOW)  E) FOR LABOLUX-UB D  512 010 Plain square object stage #218, 140 x 140mm; on interchange carrier (Ior reflected light only) (I D I N C)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (I D I R F)  512 118 Contains and centering object stage #223, 130mm \$\phi\$; on interchange carrier (I D I R F)  512 118 Dowetall carrier8, for the interchange of condensers, with rack and plnion for the adjustment in the height of condenser (O Z A R E)  512 137 Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.00; on dovetail carrier (O H F A W)  512 188 Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.00; on dovetail carrier (O H F A W)  512 189 Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aphantic top element As 0.00; on dovetail carrier (O H F A W)  512 081 Condenser base with aperture diaphragm and centering mount for the adjustment in the height of condenser with lower element, aperture diaphragm, centering mount and interchangeable aphantic top element As 0.00, #0011; in interchange mount (O H C A T)  512 081 Condenser base with aperture diaphragm and centering mount for O H B U X)  513 082 Asherical top element Ash 0.00, #001; in interchange mount (					206,00
with automatic focusing compensation for the adjustment of the interpupillary distance. Prism on silider can be switched in and out to direct the light at a ratio of 80% to the camera and 20% to the binocular tube. A second prism position directs 100% of the light into the binocular tube, for observation (ORFOB)  STAGES  A) FOR LABOLUX-D  512 123 Mechanical stage #26, with scales and verniers, traversing area 76 x 50mm (3" x 2") (F2KEE)  512 025 Mechanical stage #46, with scales and verniers, low set operating knobs on one axis, traversing area 76 x 50mm (3" x 2") (IX RES)  512 128 Rotating and centering object stage #23, 130mm \$\phi\$ (IK-SOW)  512 129 Rotating and centering object stage #23, 130mm \$\phi\$ (IK-SOW)  512 129 Rotating and centering object stage #223, 130mm \$\phi\$ (IK-SOW)  512 129 Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (ID IR F)  512 129 Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (ID IR F)  512 129 Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (ID IR F)  512 129 Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (ID IR F)  512 129 Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (ID IR F)  512 129 Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (ID IR F)  512 129 Dovetail carrier8, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser (OZARE)  512 137 Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable asphanical top element Achr. 0.09; on dovetail carrier (OHFAW)  512 138 Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable aplanatic top element Apl Oil 1.25; on dovetail carrier (OHFOZ)  512 136 Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable aplanatic top element Apl Oil 1.25; on dovetail carrier					266.00
Mechanical stage #28, with scales and verniers, traversing area 76 x 50mm (3" x 2")  (PZKEE)  Mechanical stage #48, with scales and verniers, low set operating knobs on one axis, traversing area 76 x 50mm (3" x 2") (1KRES)  Rotating and centering object stage #23, 130mm \$\phi\$ (1K-SOW)  E) FOR LABOLUX-UB D  Plain square object stage #218, 140 x 140mm; on interchange carrier (for reflected light only) (1D1NC)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Bit of Gliding stage #284, traversing area 70 x 70mm for reflected light and 35 x 40mm for transmitted light; on interchange carrier (1D1TH)  178.00  BRIGHTFIELD CONDENSERS  Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element Achr. 0.90; on dovetail carrier (0HFCX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable asphanatic top element Achr. 0.90; on dovetail carrier (0HFCX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aphanatic top element Achr. 0.90; on dovetail carrier (0HFCX)  Condenser base with aperture diaphragm and centering mount (0HBOW)  Aspherical top element Ash 0.90, #001; in interchange mount (0HBOW)  Achromatic top element Ash 0.90, #002; in interchange mount (0HBOW)  Achromatic top element Achr. 0.90; in interchange mount (0HBOW)  Achromatic top element Achr. 0.90; in interchange mount (0HBOW)  Achromatic top element Achr. 0.90; in interchange mount (0HBOW)  Achromatic top element Achr. 0	512	115	with automatic focusing compensation for the adjustment of the interpupillary distance. Prism on slider can be switched in and out to direct the light at a ratio of 80% to the camera and 20% to the binocular tube. A second prism position directs 100% of the light		422.00
Mechanical stage #28, with scales and verniers, traversing area 76 x 50mm (3" x 2")  (PZKEE)  Mechanical stage #48, with scales and verniers, low set operating knobs on one axis, traversing area 76 x 50mm (3" x 2") (1KRES)  Rotating and centering object stage #23, 130mm \$\phi\$ (1K-SOW)  E) FOR LABOLUX-UB D  Plain square object stage #218, 140 x 140mm; on interchange carrier (for reflected light only) (1D1NC)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (1D1RF)  Bit of Gliding stage #284, traversing area 70 x 70mm for reflected light and 35 x 40mm for transmitted light; on interchange carrier (1D1TH)  178.00  BRIGHTFIELD CONDENSERS  Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element Achr. 0.90; on dovetail carrier (0HFCX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable asphanatic top element Achr. 0.90; on dovetail carrier (0HFCX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aphanatic top element Achr. 0.90; on dovetail carrier (0HFCX)  Condenser base with aperture diaphragm and centering mount (0HBOW)  Aspherical top element Ash 0.90, #001; in interchange mount (0HBOW)  Achromatic top element Ash 0.90, #002; in interchange mount (0HBOW)  Achromatic top element Achr. 0.90; in interchange mount (0HBOW)  Achromatic top element Achr. 0.90; in interchange mount (0HBOW)  Achromatic top element Achr. 0.90; in interchange mount (0HBOW)  Achromatic top element Achr. 0					
(PZKEE)  Mechanical stage #48, with scales and verniers, low set operating knobs on one axis, traversing area 76 x 50mm (3" x 2") (f K R E S)  153.00  Rotating and centering object stage #23, 130mm \$\phi\$ (f K-SOW)  512 128  Rotating and centering object stage #218, 140 x 140mm; on interchange carrier (for reflected light only) (f D I N C)  152 010  Plain square object stage #218, 140 x 140mm; on interchange carrier (f D I R F)  Rotating and centering object stage #223, 130mm \$\phi\$ (interchange carrier (I D I R F)  Gliding stage #249, traversing area 70 x 70mm for reflected light and 35 x 40mm for transmitted light; on interchange carrier (I D I T H)  178.00  Dovetail carrier8, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser (O ZAR B)  ERIGHTFIELD CONDENSERS  Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW)  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  119.00  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable aphanatic top element Achr 0.90; on dovetail carrier (OHFEX)  119.00  120 28 Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable aphanatic top element Apl Oil 1.25; on dovetail carrier (OHFOZ)  152 081 Condenser base with aperture diaphragm and centering mount #600 (OHBI V)  4 22.00  Aspherical top element Achr. 0.90, #002; in interchange mount (OHBOW)  9.00  512 083 Achromatic top element Achr. 0.90, #002; in interchange mount (OHBOW)  9.00  512 104 Aphanatic top element Achr. 0.70/L4, #005; in interchange mount (OHBOW)  105 2.00  107 2.00  108 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2					
(PZKEE)  Mechanical stage #48, with scales and verniers, low set operating knobs on one axis, traversing area 76 x 50mm (3" x 2") (f K R E S)  153.00  Rotating and centering object stage #23, 130mm \$\phi\$ (f K-SOW)  512 128  Rotating and centering object stage #218, 140 x 140mm; on interchange carrier (for reflected light only) (f D I N C)  152 010  Plain square object stage #218, 140 x 140mm; on interchange carrier (f D I R F)  Rotating and centering object stage #223, 130mm \$\phi\$ (interchange carrier (I D I R F)  Gliding stage #249, traversing area 70 x 70mm for reflected light and 35 x 40mm for transmitted light; on interchange carrier (I D I T H)  178.00  Dovetail carrier8, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser (O ZAR B)  ERIGHTFIELD CONDENSERS  Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW)  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  119.00  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable aphanatic top element Achr 0.90; on dovetail carrier (OHFEX)  119.00  120 28 Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable aphanatic top element Apl Oil 1.25; on dovetail carrier (OHFOZ)  152 081 Condenser base with aperture diaphragm and centering mount #600 (OHBI V)  4 22.00  Aspherical top element Achr. 0.90, #002; in interchange mount (OHBOW)  9.00  512 083 Achromatic top element Achr. 0.90, #002; in interchange mount (OHBOW)  9.00  512 104 Aphanatic top element Achr. 0.70/L4, #005; in interchange mount (OHBOW)  105 2.00  107 2.00  108 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2.00  109 2	512	123			
traversing area 76 x 50mm (3" x 2") (IKRES)  152 128 Rotating and centering object stage #23, 130mm \$ (IK-SOW)  152 129 Plain square object stage #218, 140 x 140mm; on interchange carrier (for reflected light only) (IDINC)  152 1210 Rotating and centering object stage #223, 130mm \$; on interchange carrier (IDIRF)  152 011 Gliding stage #249, traversing area 70 x 70mm for reflected light and 35 x 40mm for transmitted light; on interchange carrier (IDITH)  152 118 Dovetail carrier 8, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser (OZARB)  152 137 Swing out condenser #801L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0. 90; on dovetail carrier (OHFAW)  152 138 Swing out condenser #802L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Ash. 0. 90; on dovetail carrier (OHFEX)  152 165 Swing out condenser #803L, with lower element, aperture diaphragm, centering mount and interchangeable aplanatic top element Apl Oil 1.25; on dovetail carrier (OHFEX)  152 081 Condenser base with aperture diaphragm and centering mount #600 (OHBIV)  152 082 Aspherical top element Ash 0.90, #001; in interchange mount (OHBOW)  152 083 Achromatic top element Ash. 0.90, #001; in interchange mount (OHBOW)  153 183 Achromatic top element Apl Oil 1.25, #003; in interchange mount (OHBOX)  154 084 Aplanatic top element Apl Oil 1.25, #005; in interchange mount (OHBOX)  155 12 084 Aplanatic top element Apl Oil 1.25, #005; in interchange mount (OHBOX)  154 085 Achromatic top element Apl Oil 1.25, #005; in interchange mount (OHBOX)  155 186 086 Achromatic top element Apl Oil 1.25, #005; in interchange mount (OHBOX)  156 187 087 087 088 089 089 089 089 089 089 089 089 089			(PZKEE)	\$	94.00
B) FOR LABOLUX-UB D  512 010 Plain square object stage #218, 140 x 140mm; on interchange carrier (for reflected light only) (ID IN C)  512 129 Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (ID IR F)  512 011 Gliding stage #249, traversing area 70 x 70mm for reflected light and 35 x 40mm for transmitted light; on interchange carrier (ID IT H)  512 118 Dovetail carrier8, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser (OZARB)  BRIGHTFIELD CONDENSERS  512 137 Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW)  512 138 Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  512 165 Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aplanatic top element Apl Oil 1.25; on dovetail carrier (OHFOZ)  512 081 Condenser base with aperture diaphragm and centering mount #600 (OHBIV)  512 082 Aspherical top element As 0.90, #001; in interchange mount (OHBUX)  512 083 Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX)  513 183 Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX)  514 084 Aplanatic top element Achr. 0.70/L4, #005; in interchange mount (OHCAT)  515 12 140 Lower condenser element in mount (OKLEL)  516 17 Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  512 109 Condenser top element N.A. 1.40 (ORAPU)  513 109 Condenser top element N.A. 0.65 (ORZEL)  514 Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)	512	025	· · · · · · · · · · · · · · · · · · ·		153.00
Plain square object stage #218, 140 x 140mm; on interchange carrier (for reflected light only) (I D I N C)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (I D I R F)  Gliding stage #249, traversing area 70 x 70mm for reflected light and 35 x 40mm for transmitted light; on interchange carrier (I D I T H)  Dovetail carrier8, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser (O Z A R B)  BRIGHTFIELD CONDENSERS  Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (O H F A W)  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (O H F E X)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aplanatic top element Achr. 0.90; on dovetail carrier (O H F E X)  Condenser base with aperture diaphragm and centering mount #600 (O H B I V)  Condenser base with aperture diaphragm and centering mount (O H B O W)  Aphanatic top element Achr. 0.90, #002; in interchange mount (O H B O W)  Aphanatic top element Achr. 0.90, #002; in interchange mount (O H B O W)  Aphanatic top element Achr. 0.90, #002; in interchange mount (O H C A T)  Lower condenser element in mount (O K L E L)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (O P W E L)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (O P W E L)  Three lens condenser #27R, N.A. 1.40, Q R A P U)  Condenser top element N.A. 0.65 (O R Z E L)  Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (I K O P Y)	512	128	Rotating and centering object stage #23, 130mm $\phi$ (I K-SOW)		53.00
Plain square object stage #218, 140 x 140mm; on interchange carrier (for reflected light only) (I D I N C)  Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (I D I R F)  Gliding stage #249, traversing area 70 x 70mm for reflected light and 35 x 40mm for transmitted light; on interchange carrier (I D I T H)  Dovetail carrier8, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser (O Z A R B)  BRIGHTFIELD CONDENSERS  Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (O H F A W)  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (O H F E X)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aplanatic top element Achr. 0.90; on dovetail carrier (O H F E X)  Condenser base with aperture diaphragm and centering mount #600 (O H B I V)  Condenser base with aperture diaphragm and centering mount (O H B O W)  Aphanatic top element Achr. 0.90, #002; in interchange mount (O H B O W)  Aphanatic top element Achr. 0.90, #002; in interchange mount (O H B O W)  Aphanatic top element Achr. 0.90, #002; in interchange mount (O H C A T)  Lower condenser element in mount (O K L E L)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (O P W E L)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (O P W E L)  Three lens condenser #27R, N.A. 1.40, Q R A P U)  Condenser top element N.A. 0.65 (O R Z E L)  Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (I K O P Y)			P) FOR LAROLITY_UP D		
Rotating and centering object stage #223, 130mm \$\phi\$; on interchange carrier (IDIRF)  Gliding stage #249, traversing area 70 x 70mm for reflected light and 35 x 40mm for transmitted light; on interchange carrier (IDIRF)  Dovetail carrier8, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser (OZARB)  BRIGHTFIELD CONDENSERS  Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW)  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aphanatic top element Apl Oil 1.25; on dovetail carrier (OHFOZ)  112.00  Condenser base with aperture diaphragm and centering mount #600 (OHBIV)  Aspherical top element As 0.90, #001; in interchange mount (OHBOW)  Achromatic top element Achr. 0.90, #002; in interchange mount (OHBOW)  Aplanatic top element Achr. 0.70/L4, #005; in interchange mount (OHCAT)  Achromatic top element Achr. 0.70/L4, #005; in interchange mount (OHCAT)  Lower condenser element in mount (OKLEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on d	512	010	Plain square object stage #218, 140 x 140mm; on interchange carrier (for reflected light		
Gliding stage #249, traversing area 70 x 70mm for reflected light and 35 x 40mm for transmitted light; on interchange carrier (I D I T H)  Dovetail carrier8, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser (O Z A R B)  BRIGHTFIELD CONDENSERS  Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (O H F A W)  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (O H F E X)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (O H F E X)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aplanatic top element Apl Oil 1.25; on dovetail carrier (O H F E X)  119.00  512 081  Condenser base with aperture diaphragm and centering mount #600 (O H B I V)  Aspherical top element As 0.90, #001; in interchange mount (O H B O W)  Achromatic top element Achr. 0.90, #002; in interchange mount (O H B O W)  Achromatic top element Achr. 0.90; #003; in interchange mount (O H C A T)  102.00  512 084  Achromatic top element Achr. 0.70/L4, #005; in interchange mount (O H C A T)  Lower condenser element in mount (O K L E L)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (O P W E L)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (O P W E L)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (O P W E L)  Two diaphragm brightfield condenser #78, with iris diaphragm, filter holder and centering mount; on d	510	100		\$	
mitted light; on interchange carrier (I D I T H)  Dovetall carrier8, for the interchange of condensers, with rack and pinion for the adjustment in the height of condenser (O ZARB)  BRIGHTFIELD CONDENSERS  512 137 Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (O HF AW)  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (O HF EX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aplanatic top element Apl Oil 1.25; on dovetail carrier (O HF O Z)  152 081 Condenser base with aperture diaphragm and centering mount #600 (O HB I V)  512 082 Aspherical top element As 0.90, #001; in interchange mount (O HB O W)  512 083 Achromatic top element Achr. 0.90, #002; in interchange mount (O HB O W)  512 084 Aplanatic top element Apl Oil 1.25, #003; in interchange mount (O HB O W)  513 183 Achromatic top element Achr. 0.70/L4, #005; in interchange mount  514 106 Lower condenser element in mount (O KLEL)  515 12 06 Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (O PWE L)  51 12 00 Condenser top element N.A. 1.40 (ORAPU)  51 12 02 Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (I K O P Y)  \$ 92.00					89.00
BRIGHTFIELD CONDENSERS  512 137 Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW) \$ 59.00  512 138 Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX) 119.00  512 165 Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aplanatic top element Apl Oil 1.25; on dovetail carrier (OHFOZ) 152.00  512 081 Condenser base with aperture diaphragm and centering mount #600 (OHBIV) \$ 42.00  512 082 Aspherical top element As 0.90, #001; in interchange mount (OHBOW) 9.00  512 083 Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX) 69.00  512 084 Aplanatic top element Apl Oil 1.25, #003; in interchange mount (OHCAT) 102.00  513 183 Achromatic top element Achr. 0.70/L4, #005; in interchange mount (OHCAT) 102.00  512 140 Lower condenser element in mount (OKLEL) 8.00  512 126 Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL) \$ 172.00  512 109 Condenser top element N.A. 1.40 (ORAPU) 25.00  512 106 Condenser top element N.A. 0.65 (ORZEL) 55.00  513 107 Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY) \$ 92.00			mitted light; on interchange carrier (IDITH)		178.00
Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW)  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  119.00  Condenser base with aperture diaphragm and centering mount #600 (OHBIV)  Aspherical top element As 0.90, #001; in interchange mount (OHBOW)  Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX)  Achromatic top element Achr. 0.90, #002; in interchange mount (OHCAT)  Achromatic top element Achr. 0.70/L4, #005; in interchange mount (OHCAT)  Lower condenser element in mount (OKLEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  Condenser top element N.A. 1.40 (ORAPU)  Condenser top element N.A. 0.65 (ORZEL)  Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00	512	118			52.00
Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW)  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  119.00  Condenser base with aperture diaphragm and centering mount #600 (OHBIV)  Aspherical top element As 0.90, #001; in interchange mount (OHBOW)  Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX)  Achromatic top element Achr. 0.90, #002; in interchange mount (OHCAT)  Achromatic top element Achr. 0.70/L4, #005; in interchange mount (OHCAT)  Lower condenser element in mount (OKLEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  Condenser top element N.A. 1.40 (ORAPU)  Condenser top element N.A. 0.65 (ORZEL)  Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00					
Swing out condenser #601L, with lower element, aperture diaphragm, centering mount and interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW)  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  119.00  Condenser base with aperture diaphragm and centering mount #600 (OHBIV)  Aspherical top element As 0.90, #001; in interchange mount (OHBOW)  Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX)  Achromatic top element Achr. 0.90, #002; in interchange mount (OHCAT)  Achromatic top element Achr. 0.70/L4, #005; in interchange mount (OHCAT)  Lower condenser element in mount (OKLEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  Condenser top element N.A. 1.40 (ORAPU)  Condenser top element N.A. 0.65 (ORZEL)  Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00			BRIGHTFIELD CONDENSERS		
interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW)  Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  119.00  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aplanatic top element Apl Oil 1.25; on dovetail carrier (OHFOZ)  152 081 Condenser base with aperture diaphragm and centering mount #600 (OHBIV)  Aspherical top element As 0.90, #001; in interchange mount (OHBOW)  Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX)  Achromatic top element Apl Oil 1.25, #003; in interchange mount (OHCAT)  Achromatic top element Achr. 0.70/L4, #005; in interchange mount  Lower condenser element in mount (OKLEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  Tondenser top element N.A. 1.40 (ORAPU)  Condenser top element N.A. 0.65 (ORZEL)  Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)	512	137			
interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)  Swing out condenser #603L, with lower element, aperture diaphragm, centering mount and interchangeable aplanatic top element Apl Oil 1.25; on dovetail carrier (OHFOZ)  512 081 Condenser base with aperture diaphragm and centering mount #600 (OHBIV)  \$42.00  512 082 Aspherical top element As 0.90, #001; in interchange mount (OHBOW)  \$512 083 Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX)  \$69.00  512 084 Aplanatic top element Apl Oil 1.25, #003; in interchange mount (OHCAT)  \$513 183 Achromatic top element Achr. 0.70/L4, #005; in interchange mount  \$512 140 Lower condenser element in mount (OKLEL)  \$69.00  \$72.00  \$512 140 Condenser top element in mount (OKLEL)  \$72.00  \$69.00  \$72.00  \$7			interchangeable aspherical top element As 0.90; on dovetail carrier (OHFAW)	\$	59.00
interchangeable aplanatic top element Apl Oil 1.25; on dovetail carrier (OHFOZ)  152.00  512 081 Condenser base with aperture diaphragm and centering mount #600 (OHBIV)  \$42.00  512 082 Aspherical top element As 0.90, #001; in interchange mount (OHBOW)  \$69.00  512 083 Achromatic top element Apl Oil 1.25, #003; in interchange mount (OHCAT)  \$69.00  512 084 Aplanatic top element Apl Oil 1.25, #003; in interchange mount (OHCAT)  \$69.00  513 183 Achromatic top element Achr. 0.70/L4, #005; in interchange mount  \$72.00  512 140 Lower condenser element in mount (OKLEL)  512 126 Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  \$172.00  512 109 Condenser top element N.A. 1.40 (ORAPU)  512 116 Condenser top element N.A. 0.65 (ORZEL)  512 024 Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$92.00	512	138	Swing out condenser #602L, with lower element, aperture diaphragm, centering mount and interchangeable achromatic top element Achr. 0.90; on dovetail carrier (OHFEX)		119.00
Condenser base with aperture diaphragm and centering mount #600 (OHBIV)  Aspherical top element As 0.90, #001; in interchange mount (OHBOW)  Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX)  Aplanatic top element Apl Oil 1.25, #003; in interchange mount (OHCAT)  Achromatic top element Achr. 0.70/L4, #005; in interchange mount  Lower condenser element in mount (OKLEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  Tondenser top element N.A. 1.40 (ORAPU)  Condenser top element N.A. 0.65 (ORZEL)  Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00	512	165			152 00
Aspherical top element As 0.90, #001; in interchange mount (OHBOW)  512 083 Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX)  512 084 Aplanatic top element Apl Oil 1.25, #003; in interchange mount (OHCAT)  513 183 Achromatic top element Achr. 0.70/L4, #005; in interchange mount  512 140 Lower condenser element in mount (OKLEL)  512 126 Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  512 109 Condenser top element N.A. 1.40 (ORAPU)  513 116 Condenser top element N.A. 0.65 (ORZEL)  515 024 Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00			meer change abit apparation top crement ripr on 1.20, on dovetair carrier (On r O 2)		102.00
Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX)  Aplanatic top element Apl Oil 1.25, #003; in interchange mount (OHCAT)  Achromatic top element Achr. 0.70/L4, #005; in interchange mount  Lower condenser element in mount (OKLEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  Condenser top element N.A. 1.40 (ORAPU)  Condenser top element N.A. 0.65 (ORZEL)  Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00	512	081	Condenser base with aperture diaphragm and centering mount #600 (OHBIV)	\$	42.00
Aplanatic top element Apl Oil 1.25, #003; in interchange mount (OHCAT)  Achromatic top element Achr. 0.70/L4, #005; in interchange mount  72.00  512 140 Lower condenser element in mount (OKLEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  512 109 Condenser top element N.A. 1.40 (ORAPU)  512 116 Condenser top element N.A. 0.65 (ORZEL)  512 024 Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00	512	082	Aspherical top element As 0.90, #001; in interchange mount (OHBOW)		9.00
Achromatic top element Achr. 0.70/L4, #005; in interchange mount  72.00  512 140 Lower condenser element in mount (OKLEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  \$ 172.00  512 109 Condenser top element N.A. 1.40 (ORAPU)  512 116 Condenser top element N.A. 0.65 (ORZEL)  512 024 Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00	512	083	Achromatic top element Achr. 0.90, #002; in interchange mount (OHBUX)		69.00
Lower condenser element in mount (OKLEL)  Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL)  Condenser top element N.A. 1.40 (ORAPU)  Condenser top element N.A. 0.65 (ORZEL)  Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00	512	084	Aplanatic top element Apl Oil 1.25, #003; in interchange mount (OHCAT)		102.00
Two diaphragm brightfield condenser #78, with swing-out top lens N.A. 0.95, with field of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL) \$ 172.00  512 109 Condenser top element N.A. 1.40 (ORAPU) 25.00  512 116 Condenser top element N.A. 0.65 (ORZEL) 25.00  512 024 Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY) \$ 92.00	513	183	Achromatic top element Achr. 0.70/L4, #005; in interchange mount		72.00
of view and aperture diaphragm; centering mount on dovetail carrier (OPWEL) \$ 172.00 512 109 Condenser top element N.A. 1.40 (ORAPU) 25.00 512 116 Condenser top element N.A. 0.65 (ORZEL) 25.00 512 024 Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY) \$ 92.00	512	140	Lower condenser element in mount (OKLEL)		8.00
Condenser top element N.A. 1.40 (ORAPU)  512 116 Condenser top element N.A. 0.65 (ORZEL)  512 024 Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00	512	126		\$	172.00
Condenser top element N.A. 0.65 (ORZEL)  512 024 Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00	512	109			
Three lens condenser #72R, N.A. 1.40, with iris diaphragm, filter holder and centering mount; on dovetail carrier (IKOPY)  \$ 92.00	512	116			
	512	024		\$	
	512	108		Ψ	

	DARKFIELD CONDENSERS	
513 109	Immersion darkfield condenser D 1.20, in centering mount #82; on dovetail carrier (ORCIX)	\$ 87.00
513 111	Dry darkfield condenser D 0.80, in centering mount #84; on dovetail carrier (OREBK)	120.00
513 211	Funnel stop for achromatic dry objective 63x/0.85	\$ 1.00
513 069	Funnel stop for achromatic oil immersion objective Oil $100x/1.30$ and fluorite oil immersion objective Fl Oil $95x/1.32$	1.00
513 212	Funnel stop for fluorite oil immersion objective Fl Oil 54x/0.95	1.00
513 213	Funnel stop for apochromatic dry objective Apo 40x/0.95	1.00
513 214	Funnel stop for apochromatic dry objective Apo 63x/0.95	1.00
513 215	Funnel stop for apochromatic oil immersion objective Apo Oil 90x/1.32	1.00
	PHASE CONTRAST CONDENSER, HEINE SYSTEM	
513 125	Phase contrast condenser, Pv #64, with control knob for the vertical adjustment of the mirror component through three intermediate settings (brightfield, phase contrast and darkfield) N.A. 0.25 to 0.70 and screw on immersion cap N.A. 1.40; on dovetail carrier	
510 100	(PHAKY)	\$ 173.00
513 123	Focusing magnifier for centering the phase ring (PHADS)	34.00
513 124	Holder with CB 16.5 and green filters (PHAFT)	9.00
	PHASE CONTRAST CONDENSER, ZERNIKE SYSTEM	
513 156	Phase contrast condenser, PHACO #402aL, with lower element, aperture diaphragm, centering mount, swing out upper element Achr 0.90 and revolving disc with lens for bright-field (H), three phase annular diaphragms, central stop for darkfield and one blank setting; on dovetail carrier (RAFIX)	\$ 163.00
513 187	Phase contrast condenser, PHACO #405eL, with lower element, aperture diaphragm, centering mount, swing out upper element Achr 0.70/L4 and revolving disc with lens for brightfield (H), three phase annular diaphragms, central stop for darkfield and one blank setting; on dovetail carrier	202.00
513 123	Focusing magnifier for centering the phase ring (PHADS)	34.00
513 157	PHASE FLUORESCENCE CONDENSER, ZERNIKE SYSTEM  Phase contrast-fluorescence condenser, PHACO #402aaL, with lower element, aperture	
	diaphragm, centering mount, swing-out upper element Achr. 0.90 and revolving disc with six settings; H-brightfield, 1 normal phase contrast with PHACO 10x/0.25 objective, 2 phase contrast and UV fluorescence with PHACO 40x/0.65 objective, 3 phase contrast and blue fluorescence with PHACO 40x/0.65 objective, 4 phase contrast and UV fluorescence with PHACO Oil 100x/1.30 objective and 5 phase contrast and blue fluorescence with PHACO Oil 100x/1.30 objective (RAFOY)	\$ 254.00
513 142	Filter OG 2 (RACET)	12.00
513 123	Focusing magnifier for centering the phase ring (PHADS)	34.00
	NOTE:	
	Former model LABOLUX Microscopes with built-in light sources can be equipped for Koehler Illumination with the following:	
512 139	Adjustable field diaphragm and dust protective glass (fitting in place of present dust protective glass in base of microscope)	\$ 19.00
	Series 400L or 600L condensers according to choice.	
	If a series 400 or 600 condenser is already available, the following is required to focus the field diaphragm into the image plane:	
512 140	Lower condenser element in mount (OKLEL)	\$ 8.00

	OBJECTIVE CARRIERS		
512 067	Quadruple revolving objective nosepiece on interchange carrier 7.4 (NADUR)	\$	50.00
512 132	Quadruple revolving objective nosepiece with infinity corrected tube lens; on interchange		101 00
	carrier (required when using "H" objectives for transmitted light) (NAOVY)		101.00
513 222	ULTROPAK Illuminator with built-in ring mirror, heat absorption filter, two sector diaphragms (90°-180° and 180°-360°), slot to accept polarizer and bayonet objective changing device. Built-in low voltage lamp 6 volts, 15 watts with daylight conversion filter CB 16.5, ground glass and green filters 7.12136	\$	215.00
513 173	Filter polarizer in mount (KEBOM)	·	55.00
513 074	Filter analyser; fitting the filter slider (KANON)		40.00
513 223	ULTROPAK-POL Illuminator 7.12636 complete as described above	\$	310.00
	SIMPLE POLARIZING EQUIPMENT FOR SERIES 400 AND 600 CONDENSERS		
513 173	Filter polarizer in mount (KEBOM)	\$	55.00
513 088	Holder for polarizer with slot to accept compensators (KEBIL)		27.00
513 074	Filter analyser, fitting the filter slider (KANON)	_	40.00
513 091	Complete pol equipment for series 400 and 600 condensers (KEDIN)	\$	122.00
<b>7.10.00</b> 0	~ /vr w w vr v v	•	
513 089	Gypsum plate (KEBUN)	\$	37.00
513 090	Mica plate (KACAK)		34.00
512 013	Simple rotating stage with one object holder; fitting specimen slide of the #48 stage (IDJOT)		27.00
512 014	Simple rotating stage with two object holders; fitting specimen slide of the #48 stage (IDJUV)		27.00
	PROJECTION AND DRAWING ACCESSORIES		
513 137	Adjustable projection prism (PRIAU)	\$	34.00
513 143	Drawing mirror (RYEEK)	\$	27.00
513 150	Light screening device (ZDHEE)	Ψ	5.00
010 100	angin bereening werree (and and and		0.00
	JEWEL BEARING ATTACHMENT FOR LABOLUX-UB D		
512 186	Jewel bearing attachment with graduated and centering circular slide, lateral swing-out		
	movement and low voltage lamp 8 volts, 0.6 amps (LAGEH)	\$	296.00
512 187	Adapter for jewel bearing attachment (LYUGS)		40.00
500 002	Regulating transformer with ammeter 8 volts, 0.6 amps for connection to $110/120$ volts, 60 cycles A.C. (BEEVY)		59.00
		\$	395.00
	MISCELLANEOUS		
051 305	Leatherette carrying case, horizontal (NEESY)	\$	41.00
512 068	Mahogany carrying case, upright (NAEHL)	,	67.00
512 036	Protective dust cover (ISDEC)		2.00
512 110	Protective dust cover, rigid plastic (ORAST)		73.00
512 119	Mipolam pad (POKEK)		3.00
512 027	Diagtic recorded dust plus (T.T. T.TITA		0.40
312 021	Plastic nosepiece dust plug (I L L U V)		0.40

## PHOTOMICROGRAPHIC EQUIPMENT

	FULLY AUTOMAT	IC, EXPOSURE PRE-DETERMINING, 35MM CAMERA ORTHOMAT		
543 060	magnetic, vibratio film chamber for or integral measure posures from 1/100	natic photomicrographic camera, including photomultiplier tube; electron-free shutter; automatic motor driven film advance, interchangeable 35mm cassettes. Detail exposure measurement of 1% of field of view; ement of entire field. Electronic power control unit, for automatic extends of a second to 1/2 hour or more, with film speed setting for color, capable of solving the most complicated photographic task (ORMAF)	\$2	,620.00
512 115	"FSA" with automs tance. Prisms on to the camera and 2	ined binocular observation and straight monocular photographic tube atic focusing compensation for the adjustment of the interpupillary dissilder can be switched in and out to direct the light at a ratio of 80% to the binocular tube. A second prism position directs 100% of the cular tube, for observation (ORFOB)		422.00
	RECOMMENDED E	YEPIECES		
519 227		ces, paired 10xMF, with adjustable eyelens and reticle with concentric area markings circumscribing the photographic image area, field of	\$	107.00
519 226		ce, single 10xMF, with adjustable eyelens and reticle with concentric area markings circumscribing the photographic image area, field of		63.00
519 229		eld eyepieces, paired GF 12.5xMF, with adjustable eyelens and reticle cusing rings and area markings circumscribing the photographic image 18mm		131.00
519 228		teld eyepiece, single GF 12.5xMF, with adjustable eyelens and reticle cusing rings and area markings circumscribing the photographic image 18mm		75.00
519 231		eyepoint eyepieces, paired 10xMF, with adjustable eyelens and reticle cusing rings and area markings circumscribing the photographic image 15mm		131.00
519 230		eyepoint eyepiece, single 10xMF, with adjustable eyelens and reticle cusing rings and area markings circumscribing the photographic image 15mm		83.00
	OPTIONAL ACCES	SORIES		
543 069	Low power focusin	g telescope (ORPUM)	\$	83.00
543 073	Interchangeable film	n chamber (ORWEP)		72.00
543 043	Base plate 600 x 45	00mm with four vibration absorbers (KAXEV)		63.00
543 103	Neutral density filt	er 6.3% with holder (ORLOH)		9.00
<del>9.0</del> 0 - 1^ 1^ 1	548 kod	nedick density miter Ind with holder (ORLIG)————————————————————————————————————		
2.00	543 039	Protective dust cover for ORTHOMAT control unit (ISPUS)		
		NOTE:		
		When using the ORTHOMAT on standard "FS" tubes without compens pupillary adjustment the following accessories are required:	atio	n for the inter-
12.00	543 066	Focusing attachment with ground glass screen (ORNOK)		
	540,050	77 1 101 (27 4 6 7 4 4)		

Focusing magnifier (NAGBA)

543 059

29.00

	35MM PHOTOMICROGRAPHIC EQUIPMENT WITH THE LEICA CAMERA		
543 040	Microphotographic attachment for series M, LEICA camera bodies with bayonet mount. Camera mount set in anti-vibration device. Built-in focusing telescope with concentric focusing ring and area markings circumscribing the photographic image area of a GF 10x eyepiece, however not included eyepiece. Beam splitting device allowing 25% of the light to enter the focusing telescope and 75% to the camera. Lateral tube with built-in lens, viewing angle of 30°, accepting the measuring eye of the MICROSIX exposure meter, permitting detail measurements and deflecting prism with swing-in lever. Tube clamp with eyepiece adapter for standard diameter (23.2mm) eyepieces (KAVAR)	\$	241.00
519 137	Periplanatic widefield eyepiece, single GF 10x, field of view 18mm (PERIR)		35.00
543 058	MICROSIX-L exposure meter with a viewing angle of 30° of measuring eye (MITIX)		167.00
10,101	LEICA Camera body MD with focal plane shutter, speeds of one to 1/1000th second and time, automatic flash synchronization, bayonet mount and provision to attach a special film marking device base plate		186.00
543 037	Cable release, 50cm length for bayonet mount LEICA Camera (I F O Z T)		2.60
		\$	631.60
1/ 191	OPTIONAL Special film manking device base plate (including 10 manking topos)	ď.	
14, 131	Special film marking device base plate (including 10 marking tapes)	\$	19.00
14, 132	Package of 100 marking tapes  MICRO-CAMERA ATTACHMENT "MICRO-IBSO", FOR 35MM ONLY		8.50
543 057	Micro Camera attachment with lateral observation and focusing telescope, swing-in swing-out prism 75%/25%, time and instantaneous shutter, two cable releases, periplanatic eye-piece 10x and interchangeable 1/3x conical tube with bayonet mount to accept series M LEICA Camera bodies (MIKAS-M)	\$	175.00
10, 101	LEICA Camera body MD with focal plane shutter, speeds of one to 1/1000th second and time, automatic flash synchronization, bayonet mount and provision to attach a special film marking device base plate		186.00
14,067	Cable release with fixing screw for LEICA shutter		1.65
543 003	Double cable release coupler (operating the deflecting prism and shutter) (CALOS)	_	16.00
		\$	378.65
054 310	Micro Camera attachment as described under #543 057, however equipped with a total reflecting prism (MIKAS-MT)	\$	175.00
	OPTIONAL		
14, 131	Special film marking device base plate (including 10 marking tapes)	\$	19.00
14, 132	Package of 100 marking tapes		8.50
	ALTERNATE LEICA CAMERA BODY		
10,300	LEICA Camera body M2x with focal plane shutter, speeds of one to 1/1000th second; automatic flash synchronization, built-in range finder, viewfinder and bayonet flange for attaching a LEICA lens or micro attachment	\$	214.00
054 022	MICROPHOTOGRAPHY WITH THE POLAROID LAND CAMERA  Micro Camera attachment with lateral observation and focusing telescope, swing-in swing- out prism, anti-vibration mounted shutter with speeds of one to 1/125th second and time, two cable releases, Periplanatic eyepiece 10x and POLAROID Camera Back model CB100 for 3 1/4 x 4 1/4" black and white color film pack (84,022)	\$	300.00
	TOL V 1/4 A 4 1/4 DIACK AND WHILE COLOI THIN PACK (04, 026)	Ψ	500.00

	OF A STATE DIVOMONICO OCO ADURO EQUIDATENTO MUTUL EU M. TID ANCIDODE HOUSING		
# 49 OFF	35MM PHOTOMICROGRAPHIC EQUIPMENT WITH FILM TRANSPORT HOUSING Focusing arrangement with lateral telescope, self winding shutter for time and instanta-		
543 078	neous exposures, two cable releases, Periplanatic widefield eyepiece GF 10x and inter-		
	mediate adapter 0.32:1 (MIBED)	\$	169.00
543 003			16.00
543 077	Film transport housing with light screening sleeve, film advance lever, film counter and rewind knob (FILOT)		72.00
		\$	257.00
054 314	Focusing arrangement as #543 078, however, with total reflecting prism (MIBEB-T)	\$	169.00
	OPTIONAL ACCESSORIES FOR PHOTOMICROGRAPHY		
543 058	MICROSIX-L Exposure meter with viewing angle 30° of measuring eye (MITIX)	\$	167.00
543 043	Base plate 600 x 450mm with four vibration absorbers (KAXEV)	\$	63.00
543 084	Micro flash "MECABLITZ III" with carrier plate, mirror housing #15S, and five neutral density filters for LABOLUX-D Microscope (MICAD)	\$	402.00
	delibity litters for Elizebeth a limit of the control of the contr	,	
543 096	Neutral density filter 70%, mounted (as replacement) (NODUD)	\$	9.00
543 092			9.00
543 093	Neutral density filter 25%, mounted (as replacement) (NODEZ)		9.00
543 094	Neutral density filter 6.3%, mounted (as replacement) (NODIB)		9.00
543 095	Neutral density filter 0.4%, mounted (as replacement) (NODOC)		9.00
	SUPPLEMENTARY EQUIPMENT FOR LOW POWER PHOTOGRAPHY WITH THE LABOLUX-D	Ф	04.00
543 099		\$	24.00 26.00
543 101	-		20.00
543 117	Micro mirror reflex housing with swing out mirror, focusing magnifier 5x, cable release, interchangeable clear and ground glass focusing screens		236.00
10,911	LEICA camera body MD with focal plane shutter, speeds of one to 1/1000th second and		
	time automatic flash synchronization, bayonet lens mount and special film marking base plate		194.50
14,067			1.65
14,00	Cable Toloube with Isolang Boton Tol ——Isola Ballotta	\$	482.15
	RECOMMENDED OPTICAL EQUIPMENT		
549 010		\$	82.00
543 102	-		4.00
549 011			82.00
549 012			82.00 64.00
549 00	05		04.00
519 008	Achromatic dry objective, $3.2x/0.12$ , focal length 39.8mm, free working distance 35mm (ACUBE)		28.00
519 004			
	(ACORA)		32.00

	UNIVERSAL PHOTO-MICROGRAPHIC APPARATUS "ARISTOPHOT" FOR FILMS & PLATES UP TO $4 \times 5$ ", INCLUDING POLAROID		
542 048	Stand "ARISTOPHOT" consisting of large base plate with Mipolam pad, vertical camera carrier on twin columns with adjustable prismatic bar (63cm, 25" long) and protective dust cover (MADAH)	\$	208.00
542 051	Camera bellows $4 \times 5$ ", extensible up to $60 \text{cm}$ , with two double film holders Graflex #1248, ground glass screen and focusing magnifier; bayonet locking device for light tight connection to the bellows support and shutter (MAJUS)		362.00
542 075	Lower bellows support on rack and pinion carrier, vibration-free mounting, time and instantaneous shutter with strobe contact, cable release and tape measure; upper and lower light excluding collars (ORHAL)		120.00
542 052	Mirror reflex housing, rotatable, with frame to accept $4 \times 5$ " film holders or Polaroid 500 film holder and swing out mirror for focusing the image on the ground glass screen (MAKEP)		247.00
542 054	Photomicrographic apparatus ARISTOPHOT complete for 4 x 5" (MALER)	\$	937.00
519 137	Periplanatic eyepiece, single GF 10x		35.00
543 052	OPTIONAL Polaroid land film holder #500 for 4 x 5" single sheet film (MARAV)	\$	40.00
	UNIVERSAL PHOTO-MICROGRAPHIC APPARATUS "ARISTOPHOT" FOR 35MM FILM SIZE WITH THE LEICA		
542 048	Stand "ARISTOPHOT" consisting of large base plate with Mipolam pad, vertical camera carrier on twin columns with adjustable prismatic bar (63cm, 25" long) and protective dust cover (MADAH)	\$	208.00
543 097	Micro mirror reflex housing with swing-out mirror, focusing magnifier 5x, interchangeable clear and ground glass focusing screens, cable release, intermediate adapter and mounting bracket (I F PEB)		286.00
543 075	Intermediate adapter 1/3x (mounted between reflex housing and telescope) (Z O I I L)		26.00
543 074	Focusing telescope with central time and instantaneous shutter, strobe contact, synchronized swing-out deflecting prism and two cable releases; upper and lower light excluding collars (Z O C I I)	_	170.00
542 109	Photomicrographic Apparatus "ARISTOPHOT" complete for 35mm, however, without LEICA Camera body	\$	690.00
10, 101	LEICA Camera body MD with focal plane shutter, speeds of one to 1/1000th second and time, automatic flash synchronization, bayonet mount and provision to attach a special film marking device base plate		186.00
14,067	Cable release with locking screw for LEICA shutter	_	1.65
		\$	877.65
519 137	Periplanatic eyepiece, single GF 10x		35.00
14, 131	Special film marking device base plate (including 10 marking tapes)	\$	19.00
14, 132	Package of 100 marking tapes		8.50
	<u>OPTIONAL</u>		
543 076	Intermediate adapter 1/2x (Z P E I I)	\$	27.00
542 024	LEICA bellows, 50cm (20") (EEXSN)		34.00
542 026	Short LEICA bellows, 12cm (5") (ETXBE)		19.00
542 075	Lower bellows support on rack and pinion carrier, vibration-free mounting, time and in- stantaneous shutter with strobe contact, cable release and tape measure; upper and lower light excluding collars (ORHAL)		120.00
542 046	Intermediate adapter ring (MACOK)		3.00
542 045	Upper and lower light excluding collars (MABIH)		8.00

Objectives and eyepleces for transmitted-light investigations in bright- and darkfield

Designation	of objectives	Cover glass correc-	e of piece³)	Code No.	\$	Focal length	Free work- ing dist-	Total wid	magnifica defield eye	epieces a	h Huygen: t a tube fa values) <sup>5</sup> )	s PERIPLA	N or 25x				
ma	agnification/aperture	tion¹)	Typ			mm	ance mm	6 x	8 x	10 x	12 x	12 x 16 x 25					
Achromatic dry systems	2.5/0.07 3.2/0.12 3.5/0.10 6/0.18 10/0.25 25/0.50 40/0.65 63/0.85 Iris 63/0.85	00000	PHHHPPPP	519 044 519 005 519 036 519 001 519 004 519 006 519 003 519 002 519 047	\$ 53.00 28.00 31.00 31.00 32.00 59.00 50.00 65.00 101.00	56.8 39.8 31.6 23.1 16.3 7.1 4.5 }	14 35 23 17 5.7 0.92 0.67 0.29	20 24 26 45 75 190 300 475	25 32 35 60 100 250 400 630	32 40 44 75 125 320 500 800	38 48 53 90 150 375 600	50 63 70 120 200 500 800	80 100 110 190 320 800 1250 2000				
Achromatic im- mersion objectives (W=water immers- ion objectives)	ÖI + W 22/0.65 W 90/1.20 Iris ÖI 100/1.30 Iris ÖI 100/1.30-1.10	D O D D D D	0.0.0.0	519 059 519 171 519 060 519 045	\$104.00 154.00 88.00 147.00	8.1 2.1 } 1.9	0.32 0.09 0.13	165 675 750	220 900 1000	275 1125 1250	330 1350 1500	440 1800 2000	700 2800 3200				
Fluorite dry systems	FI 40/0.85	DΙ	Р	519 025	\$131.00	4.3	0.38	300	400	500	600	800	1250				
Fluorite oil immersion ob- jectives	FI ÖI 54/0.95 FI ÖI 95/1.32 Iris ÖI 95/1.32 1.10	0 O O	P P P	519 027 519 026 519 046	\$145.00 184.00 268.00	3.4 2.0	0.22 0.15	400 710	540 950	675 1200	800 1425	1100 1900	1700 3000				
Apochromatic dry systems	Apo 12.5/0.30 Apo 25/0.65 Apo 40/0.95 Apo 63/0.95	D O D D (²) D (²)	טיטיטיטי	519 009 519 007 519 038 519 039	\$104.00 177.00 261.00 261.00	13.0 7.3 4.4 3.0	2.5 0.85 0.12 0.12	95 190 300 475	125 250 400 630	160 320 500 800	190 375 600 950	250 500 800 1250	400 800 1250 2000				
Apochromatic oil immersion objectives	Apo Öl 90/1.32 Apo Öl 90/1.40	D	P P	519 008 519 010	\$333.00 411.00	2.0 2.0	0.12 0.06	} 675	900	1125	1350	1800	2900				
Plano-objectives	Pl Fl 4/0.14 Pl Fl 10/0.30 Pl 25/0.50 Pl 40/0.65 Pl Apo Öl 100/1.32	D O D O D D D D D D D D D D D D D D D D	0000	519 176 519 175 519 163 519 161 519 160	\$136.00 180.00 182.00 208.00 450.00	41.5 17.9 7.6 4.6 2.4	15 7.5 0.90 0.58 0.27	30 75 190 300 750	40 100 250 400 1000	50 125 320 500 1250	60 150 375 600 1500	80 200 500 800 2000	125 320 800 1250 3200				

	Huy	gens eyep	leces			P	PERIPLAN eyepieces										
Magni-	Magni- of Code No.			Magni-	Field of		Cod	e No.		Magni-	Code No.						
fication	weiv	Single	\$	Pair	\$	fication	view mm	Single	\$	Pair	\$	fication	view mm	Single	\$	Pair	\$
6 x 6 x 10 x	19 17 14	519 034 — 519 033	11.00 11.00	519 030	22.00 22.00	GF 10 x GF 10 x M GF 12.5 x GF 12.5 x M	18 18 18 18	519 137 519 126 519 051 519 055	\$35.00 50.00 49.00 56.00	519 142 519 127 519 053 519 056	\$70.00 '85.00 98.00 105.00	8 x 10 x ° 25 x	18 18 16 18	519 185 519 188 519 139 519 128 519 198	41.00 21.00 26.00	519 187	66.00 74.00 42.00 52.00 disc.
6 x M Micrometer 10 mm=100 intervals	17.5	519 052 519 905	disc. 19.00	_		GF 16 x GF 25 x GF 25 x M	15 10 10	519 138 519 140 519 141	46.00 50.00 58.00	519 143 519 144 519 130	92.00 100.00 108.00	high-point eyepleces	40	E40 447	44.00	E40 440	99.99
pointer eyeplece H 6.3x	18	519 054	27.00	-		Micrometer 10 mm = 100 intervals		519 905	19.00			8 x 10 x 10 x M	18 15 15	519 135	48.00	519 148 519 136 519 125	96.00 110.00

o with large field of view

#### Phase contrast objectives for the Heine Condenser

Designation	on of objective Magnification / Aperture	Free working distance in mm	Cover- glass correc- tion ')	Type of eye- piece 3)	No	\$	Designation	on of objective Magnification / Aperture	Free working distance in mm	Cover- glass correc- tion!)	Type of eye- piece 3)	Code No.	\$
Dry system	Pv 10/0.25	5.8	DO	Р	519 149	\$ 71.00	Water			ĺ			
	Immersion attach- ment for Pv 10/0.25	0.3			519 153	13.00	dipping objective	Pv WE 22/0.60	0.05	0	Р	519 156	disc.
Dry system	Pv 25/0.50	0.92	D	H (P)	519 150	114.00	Water dipping	Pv WE 80/1.00	0.06		P	E40 045	<b>d</b> :
Dry system							objective	FV WC 60/1.00	0.00	0		519 215	disc.
of especially long working distance	Pv Apo L 40/0.70 2)	0.82	DI	Р	519 151	261.00	Oil immersion objective	Pv Fl Öl 70/1.15	0.20	DO	P	519 154	268.00
Dry system of especially							Oil immersion objective	Pv Apo Ol 90/1.15	0.12	DO	Р	519 152	329.00
long working distance	Pv Apo L 63/0.70 2)		DI	P	519 155	293.00	Oil immersion objective	Pv Apo Öl 90/1.32	0.12	DO	Р	519 158	386.00

#### Phase contrast objectives for the Zernike Condenser

Designat	ion of objective Magnification / Aperture	ii o i kiii g	Cover- glass correc- tion ')	Type of eye- piece 3)	Code No.	\$	Designatio	on of objective Magnification / Aperture	Free working distance mm	Cover- glass correc- tion 1)	Type of eye- piece 3)	Code No.	\$
Dry system	Phaco 10/0.25	7.7	DO	P	519 165	\$ 74.00	Oil immersion	Phaco OI 100/1.30	0.17	_	Ь	E10 107	145.00
Dry system	Phaco 40/0.65	0.71	D	P	519 166	102.00	objective	Finaco O1 100/1.30	0.17	D		519 167	145.00

D: with coverglass D = 0.17 (coverglass thickness should be observed to within ± 0.05 mm)

#### **ULTROPAK** objectives

Designation	Designation of objectives		Code No.	•	Magnif	ication with	eyeplece	Outfit on soquent with	
Magnification / Aperture		distance in mm	C00 <del>0</del> 140.	5 July 140.		8 ×	10 x	Outfit on request with	\$
Dry systems	UO 3.8/0.12 UO 6.5/0.18 UO 11/0.25 UO 22/0.45 UO 32/0.55 UO 50/0.65	33 16 5.7 2.1 1.0 0.66	513 003 513 004 513 005 513 006 513 119 513 007	\$ 57.00 82.00 99.00 113.00 120.00 133.00	29 50 83 165 240 375	38 65 110 220 320 500	48 82 140 275 400 630	Immersion attachment 3.8 513 014 6.5 513 015 11 513 016	\$ 28.00 25.00 22.00
Immersion objectives	UO W 55/0.85 UO W 75/0.90 UO FI ÖI 60/0.85 UO FI ÖI 75/1.00	0.59 0.48 0.57 0.51	513 008 513 009 513 010 513 011	175.00 215.00 208.00 237.00	410 560 450 560	550 750 600 750	690 950 750 950	Dipping cone EZ 23-100, 513 017, In- cluding 50 cover glasses and 1 tube coverglass cement	\$ 23.00

FI = fluorite system, W = water immersion, OI = oil immersion

Mirror condenser 22—100, suitable for all UO-objectives 22—100 for obliquely incident sharply outlined illumination. Especially suitable for observation in depth, in which parts above the area under observation must not be illuminated.

513 013 \$100.00

TERMS: NET 30 DAYS

Prices and Specifications are subject to change without notice.

This Price List Supersedes All Previous Issues for this Catalog February 1st, 1967

O: without coverglass, DO: can be used with or without coverglass DI: coverglass thickness 0.17mm should be observed accurately to within ± 0.01mm, or should be accurately set with the correction mount where it varies from this values.

<sup>\*)</sup> These objectives have a correction mount. Its adjustment has hardly any effect on image sharpness. Ideal method of focusing when the thickness of the coverglass is unknown.

<sup>3)</sup> H = use Huygens eyepiece, P = use PERIPLAN or widefield eyepieces.

<sup>4)</sup> These oil immersion objectives may also be used for uncovered subjects (smear preparations without coverglass); the negligible reduction of image quality can be ignored.

<sup>5)</sup> Values in small type are outside the rangeof useful magnification.

All objectives from 3.5/0.10 are parfocal on the nosepiece.