



June 1st 1968

outfits listed in this folder have been chosen to suit a representative selection of applications; eg student, phase contrast, photographic.

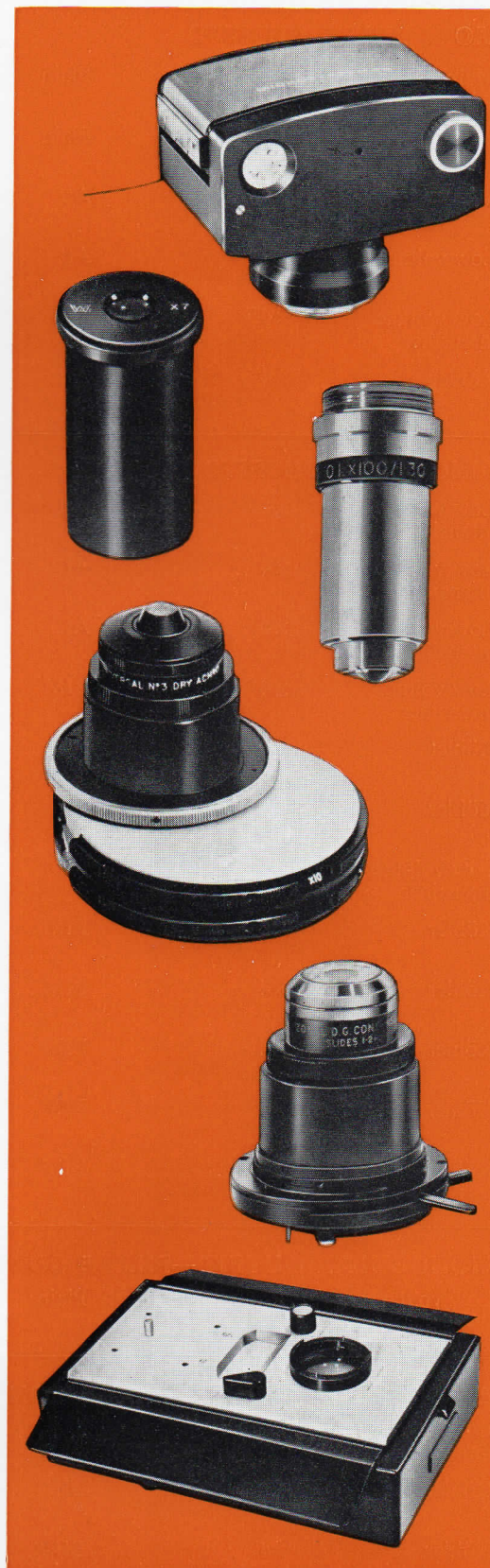
Outfits range from a student monocular microscope with built-in illumination to advanced research microscopes with accessories and equipment of the highest order. In each instance, the price of the complete outfit is given together with the overall code number by which the outfit may be ordered.

The list does not set out to be exhaustive. Rather does it aim to be a general indication of the lines along which an outfit should be made up to satisfy individual requirements. When used in this way, it should be read in conjunction with the separate **List of parts and prices**.

At the same time, the outfits listed will be found to be entirely adequate for the needs of many users. In such cases this folder will prove itself a very real time-saver both in obviating the necessity for individual selection of components and in providing a single code number to identify a complete outfit.

MICROSYSTEM 70

SUGGESTED OUTFITS



SUGGESTED OUTFITS FOR MICROSYSTEM 70 MICROSCOPES

illumination	turret	stage	objectives	eyepieces	condenser/ iris mount
	F — with filter slide way	Att — attachable mechanical BIM — built-in mechanical	PA — parachromatic F — fluorite A — apochromatic PP — planpara (P) — phase	please specify power H — huygenian C — compensating	DG — dark ground

MONOCULAR OUTFITS

Mains voltage	×4	Plain	PA ×10 ×40	One H	Abbe
Mains voltage	×4	Plain	PA ×4 ×10 ×40	One H: Huymic ×10	Abbe
Mains voltage	×4	Att	PA ×4 ×10 ×40 ×100	Two H	Abbe
Low voltage	×4	Att	PA ×4 ×10 ×40 ×100	Two H	Abbe
Low voltage intensifier	×4F	Att	PA ×10 ×40 ×100	Two H	Univ No 3
Köhler	×4	Att	F ×10 PA ×40 ×100	One C	Univ No 3

BINOCULAR OUTFITS

Low voltage intensifier	×4	Att	PA ×4 ×10 ×40 ×100	Pair H	Abbe
Low voltage intensifier	×4	Att	PA ×4 ×10 ×40 ×100	Two pairs H	Univ No 3
Low voltage intensifier	×4	Att	F ×10 PA ×40 ×100	Pair C	Univ No 3
Low voltage intensifier	×4	BIM	PA ×4 ×10 ×40 ×100	Two pairs H	Univ No 3
Köhler	×4	BIM	PA ×10 ×40 ×100	Pair H	Univ No 3
Köhler	×4	BIM	PA ×10 ×100 (with funnel stop)	Pair C	Zonal DG
Low voltage intensifier	×6	BIM	PA ×4 ×10 ×40 ×100 F ×50	Pair H Pair C	Univ No 3
Köhler	×6	BIM	PP ×4 PA ×10 ×20 ×40 ×60	Pair H Pair C	Univ No 3
Köhler	×4	BIM	F ×10 ×50 PP ×40 PA ×100	Two pairs C	Univ No 3
Köhler	×4F	BIM	F ×10 ×50 PP ×40 PA ×100	Two pairs C	Univ No 3
Köhler	×6	BIM	F ×10 ×50 ×90 A ×20 PP ×40	Two pairs C	Univ No 3
Köhler	×4	BIM	A ×20 ×40 ×90 F ×50	Two pairs C	Univ No 3

MONOCULAR OUTFIT—PHASE CONTRAST

Low voltage	×4	Plain	PA ×4 ×10 ×40 (P)	One H	Abbe & phase mount
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BINOCULAR OUTFITS—PHASE CONTRAST

Low voltage intensifier	×4	Att	PA ×10 (P) ×40 (P) ×100 (P)	Pair H	Univ No 3 with phase mount
Köhler	×4	BIM	PA ×10 (P) ×40 (P) ×100 (P)	Pair H	Univ No 3 with set of annuli
Köhler	×6	BIM	PA ×4 ×10 (P) ×20 (P) ×40 (P) F ×50 (P) ×90 (P)	Two Pairs C	Univ No 3 with set of annuli

accessories	outfit code	outfit price	additional items (optional)	remarks
			see list of parts and prices	
		£ s d		
	70/1	76 14 0	Case; PA $\times 4/0.13$	Student microscope with built-in illumination
Stage micrometer; Eyepiece scale	70/2	89 4 0	Case; Tray	Outfit suitable for measuring purposes
	70/3	110 18 0	Case; Tray	Student microscope with $\times 100$ objective, mech. stage
Case	70/4	124 8 0	Tray	As above with illumination intensity control
Turret slide with analyser and neutral filter; Rotating polariser	70/4A	148 8 0	Case	Student microscope with polarising accessories
	70/5	154 15 0	Case; Tray	Student microscope with Köhler illumination
	70/6A	153 0 0	Case	Student binocular microscope
Case	70/7A	168 2 0	Tray; Box	As above with corrected condenser and case
	70/8A	166 7 0	Case	Routine binocular outfit
Case	70/9A	189 0 0	Tray; Box	As above with built-in mechanical stage
Case; Tray	70/10A	201 14 0	PA $\times 4/0.13$	Binocular laboratory microscope, Köhler illumination
Case; Tray	70/11	200 16 0	PA $\times 40/0.65$	For routine dark-ground observation
Case	70/12A	227 12 0	Tray; Box	Binocular laboratory microscope to take 6 objectives
Case; Tray	70/13	232 2 0	Dust cover	Binocular microscope with range of dry objectives
Case; Tray	70/14	253 11 0	Dust cover	Outfit with fluorite and flat field objectives
Case; Tray; Turret slide with analyser; Rotating polariser	70/14A	269 1 0	Dust cover	As above with polarising attachments
Case; Tray	70/15	312 11 0	Dust cover	Research binocular microscope
Case; Tray	70/16	326 1 0	Dust cover	Research instrument with apochromatic objectives
Dust cover; Telescope; Annulus plug	70/17	107 12 0	Case; PA $\times 100/1.30$	Student microscope with $\times 40$ phase contrast
Case; Telescope; Annulus plugs	70/18	188 14 0	Tray; Box	Student microscope with $\times 10$, $\times 40$, $\times 100$ phase contrast
Case; Tray	70/19	232 4 0	Telescope; Dust cover	Routine binocular phase contrast microscope
Case; Tray	70/20	319 8 0	Telescope; Dust cover	Research binocular with phase contrast equipment

PHOTOMICROGRAPHIC EQUIPMENT

The following are examples of the more popular outfits used with Microsystem 70 and Hilux 70

		code	£	s	d
Manually operated 35mm camera	35mm camera back with shutter and cable release	708/25	32	0	0
	Basic unit with viewing eyepiece and photocell tube (including monocular eyepiece tube)	708/1	30	0	0
	CdS exposure meter	783	32	10	0
			<hr/>		
			£94	10	0
Manually operated Polaroid camera	Polaroid roll film camera back, shutter and cable release	708/28	79	10	0
	Basic unit with viewing eyepiece and photocell tube	708/1	30	0	0
	Camera bracket and support pillar	708/35	5	6	0
	CdS exposure meter	783	32	10	0
			<hr/>		
			£147	6	0
Permanently mounted 35mm camera (manual operation)	35mm camera back with shutter and cable release	708/25	32	0	0
	Basic unit with photocell tube but without viewing eyepiece	708/2	22	10	0
	Light distributor unit (permits focusing and framing to be undertaken through binocular head)	708/3	48	0	0
	Camera bracket and support pillar	708/35	5	6	0
	CdS exposure meter	783	32	10	0
			<hr/>		
			£140	6	0
	and either				
	Photo-binocular head	702/5	33	10	0
	or				
	Conversion of existing binocular head	784	3	10	0
Permanently mounted fully automatic 35mm camera	35mm camera back with electromagnetic shutter	708/27	87	14	0
	Basic unit without viewing eyepiece	708/2	22	10	0
	Light distributor unit (permits focusing and framing to be undertaken through binocular head)	708/3	48	0	0
	Camera bracket and support pillar	708/35	5	6	0
	Automatic exposure control box	708/36	185	0	0
			<hr/>		
			£348	10	0
	and either				
	Photo-binocular head	702/5	33	10	0
	or				
	Conversion of existing binocular head	784	3	10	0

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SUGGESTED OUTFITS FOR HILUX 70 MICROSCOPES

illumination	head	turret	stage	objectives	eyepieces	condenser iris mount
	VM — vertical monocular	F — with filter slide way	BIM — built-in mechanical	PA — parachromatic F — fluorite A — apochromatic PP — planpara (P) — phase	H — huygenian C — compensating HPP — huygenian prism projection CPP — compensating prism projection	DG — dark g
	IM — inclined monocular					
	IB — inclined binocular					
	PB — photo-binocular					
	VS — viewing screen					

OUTFITS FOR SHORT THROW PROJECTION

Quartz-iodine Köhler	VM	×4	Plain	PA ×5 ×10 ×40	HPP ×10	Univ No 3
Quartz-iodine Köhler	VM	×4	BIM	PA ×5 ×10 ×100 PP ×40	CPP ×10	Univ No 3
Quartz-iodine Köhler	VS	×4	BIM	PA ×5 ×10 ×20 ×40	H ×10	Univ No 3
Quartz-iodine Köhler	VS	×4	BIM	PA ×10 ×40 F ×50 ×90	C ×10	Univ No 3

OUTFITS FOR LONG THROW PROJECTION

Quartz-iodine Köhler	VM	×4	Plain	PA ×5 ×10 ×40	HPP ×2.5 ×3.5	Univ No 3
Quartz-iodine Köhler	VM	×4	BIM	PA ×5 ×10 ×20 PP ×40	HPP ×2.5 ×3.5	Univ No 3

OUTFITS FOR BLUE LIGHT FLUORESCENCE AND BRIGHT FIELD

Quartz-iodine Köhler	IM & IB	×6F	BIM	PA ×10 ×40 ×100	Pair H ×10	Univ No 3 Zonal DG
Quartz-iodine Köhler	IM & IB	×6F	BIM	PA ×5 ×10 A ×20 ×40 F ×50 ×90	Pair C ×7 Pair C ×10	Univ No 3 Zonal DG

OUTFITS FOR PHOTOMICROGRAPHY

Quartz-iodine Köhler	PB	×4	BIM	F ×10 PP ×40 F ×50 ×90	Pair C ×7 C ×10	Univ No 3
Quartz-iodine Köhler	PB	×6	BIM	PP ×4 F ×10 A ×20 PP ×40 F ×50 ×90	Pair C ×7 C ×10 H ×10	Univ No 3

HILUX 70 Research Microscope outfit

Quartz-iodine Köhler	IB	×6F	BIM	PA ×5 F ×10 A ×20 ×40 ×90 PA ×10 (P) ×40 (P) F ×50 (P) ×90 (P)	Pair C ×7 Pair C ×10	Univ No 3 set of annu
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accessories	outfit code	outfit price	additional items (optional)	remarks
			see list of parts and prices	
		£ s d		
Front projection screen; Dust cover	70/21	230 8 0	Case; HPP $\times 2.5$ for long throw projection	Student demonstration projection microscope
Front projection screen; Dust cover	70/22	295 2 0	Case; HPP $\times 3.5$ for long throw projection	Small group tutorial microscope
Dust cover	70/23	292 14 0	Binocular head; Light distributor	Laboratory viewing screen microscope
Dust cover	70/24	346 18 0	Binocular head; Light distributor	As above with Fluorite objectives
Spare bulb; Case	70/25	254 6 4	Attachable mechanical stage	Simple teaching microprojection
Spare bulb; Case	70/26	306 8 4		Lecture theatre microprojection
2 primary filters, turret slide with 3 secondary filters. Funnel stop for PA $\times 100$ and spare bulb. Case	70/27	343 2 4	Dust cover	Routine fluorescence microscope
2 primary filters, turret slide with 3 secondary filters. Funnel stop for F $\times 90$ and spare bulb. Case	70/28	467 8 4	Dust cover	Research bright field and fluorescence microscope
Manually operated 35mm camera, light distributor, basic unit No 2, CdS meter, camera bracket and pillar, colour correction filters and spare bulb. Dust cover	70/29	517 11 4	Case; Phase contrast and polarising accessories	Laboratory microscope with permanently mounted photo- graphic facilities (35mm, manual operation)
Fully automatic 35mm camera, light distributor, basic unit No 2. Automatic exposure control box, camera bracket and pillar, colour correction filters and spare bulb. Dust cover	70/30	769 15 4	Case; Phase contrast and polarising accessories	Research binocular microscope with permanently mounted, fully automatic 35mm photographic equipment
Phase telescope. Turret slide with analyser and neutral filter, rotating polariser, case and spare bulb	70/31	556 14 4	Dust cover; Fluorescence and photomicrographic equipment	Research binocular microscope with phase contrast and polarising accessories

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