scanned by J. G. McHone 30Jan11
for personal use only, not for sale

OLYMPUS®

CH

Laboratory & Classroom Microscopes

PRICES & SPECIFICATIONS/EFFECTIVE MAR. 1981

Model-Planner Chart Code

This easy-to-follow code assists you in determining the exact model you want for your particular application.

Choose each desired component, denote its number, combine the codes and you have an alpha/numeric model designation which can be used to order your microscope, specify it, or assist you in determining its price.

Example: CHA 12212

CHA	1	2	2	1	2

- Stand: Catalog No. CHA-001
- Observation Tube: Catalog No. 3-C251
- Stage: Catalog No. 4-C103
- Objectives: Catalog Nos. 1-B521, 1-B531, 1-B551, 1-B590
- Condenser: Catalog No. 6-B152
- Eyepieces: Catalog No. 2-C321

STANDS	OBSERVATION TUBES	STAGES	OBJECTIVES	CONDENSERS	EYEPIECES
CHA Cat. No. CHA-001 Stand with built in low voltage illuminator 6V 10W halogen lamp 	**1** Cat. No. 3-C251 Monocular tube (45°) 	**1** Cat. No. 4-C102 Attachable mechanical stage with right hand low drive controls	**1** Cat. No. 1-B121 4X Flatfield Achromat 1-B131 10X Flatfield Achromat 1-B154 40X Flatfield Achromat 1-B191 100X Flatfield Achromat	**1** Cat. No. 6-B152 ABBE 1.25 N.A.	**1** Cat. No. 2-C331 BIHEPWF10X PAIR
	2 Cat. No. 3-C406 Binocular tube (45°) 	**2** Cat. No. 4-C103 Attachable mechanical stage with left-hand low drive controls	**2** Cat. No. 1-B521 4X Plan Achromat 1-B531 10X Plan Achromat 1-B551 40X Plan Achromat 1-B590 100X Plan Achromat	Cat. No. 6-P154 ABBE PHASE CONDENSER **2** Phase Annulus 10X-B-0120A Phase Annulus 20X-B-0121A Phase Annulus 40X-B-0122A 2-P790-CTY Telescope 9-B320 Green Filter	**2** Cat. No. 2-C321 HEPWF 10X SINGLE
CHB Cat. No. CHB-001 Stand with built in illuminator 115V 30W tungsten lamp 	**3** Cat. No. 3-C552 Trinocular tube (45°) 		**3** Cat. No. 1-LB522 4X D Plan Achromat 1-LB532 10X D Plan Achromat 1-LB552 40X D Plan Achromat 1-LB594 100X D Plan Achromat	**3** Cat. No. 6-P151 TURRET PHASE CONDENSER 2-P790-CT4 Telescope	**3** Cat. No. 2-LC322 WK 10X PAIR 2 Each
CHC Cat. No. CHC-001 Stand includes No. 5-B156 substage illuminator. 	**4** Cat. No. 3-C151 Vertical Monocular tube 		**4** Cat. No. 1-LB121 4X D Achromat 1-LB131 10X D Achromat 1-LB154 40X D Achromat 1-LB191 100X D Achromat	**4** Cat. No. 6-B551-Darkfield Condenser	**4** Cat. No. 2-LC322 WK 10X SINGLE
			5 Cat. No. 1-P130 PL10X Phase 1-P140 PL20X Phase 1-P150 PL40X Phase		

SUGGESTED COMPONENTS AND PRICES OF MOST POPULAR MODELS

	STAND	OBSERV'N TUBES	STAGE	OBJECTIVES	CONDENSERS	EYEPIECES	SUGGESTED LIST PRICE
CHA Model with Monocular, Binocular, Plan Achromats, Achromats, Halogen Illumination	CHA	1	1	1	1	2	$ 884
	CHA	2	1	2	1	1	1,502
	CHA	2	1	1	1	1	885 *
	CHA	2	1	4	1	3	975 *
	CHA	2	1	3	1	3	1,623
	CHA	2	1	5	2	1	1,188
CHB Model with Monocular, Binocular, Plan Achromats, Achromats, Phase, Tungsten Illumination	CHB	1	1	1	1	2	753
	CHB	2	1	2	1	1	1,371
	CHB	2	1	1	1	1	850 *
	CHB	2	1	4	1	3	935 *
	CHB	2	1	3	1	3	1,492
	CHB	2	1	5	2	1	1,057
CHC Model with Monocular, Binocular, Plan Achromats, Achromats, Phase, Tungsten Illumination	CHC	1	1	1	1	2	704
	CHC	2	1	2	1	1	1,322
	CHC	2	1	1	1	1	903

RECOMMENDED MODELS BY DISCIPLINE

	STAND	OBSERV'N TUBES	STAGE	OBJECTIVES	CONDENSERS	EYEPIECES	SUGGESTED LIST PRICE
Urinalysis	CHB	2	1	5	2	1	$1,057
	CHA	2	1	5	2	1	1,188
Hematology	CHA	2	1	1	1	1	885 *
	CHA	2	1	2	1	1	1,502
	CHA	2	1	3	1	3	1,623
	CHA	2	1	4	1	3	975 *
Pathology	CHA	2	1	3	1	3	1,623
	CHA	2	1	4	1	3	975
College Laboratory	CHC	1	1	1	1	2	704
	CHC	2	1	1	1	1	903
	CHB	2	1	1	1	1	850 *
	CHB	2	1	2	1	1	1,371
	CHA	2	1	1	1	1	885 *
	CHA	2	1	2	1	1	1,502

Listings, above, are of most popular models. Because of modularity, you may develop your own model by using the Model-Planner Chart. To compute total suggested list price, see component prices that follow. Prices with asterisk (*) are special prices and can only be ordered as complete packages.

Series CH Components/Accessories Specifications & Prices

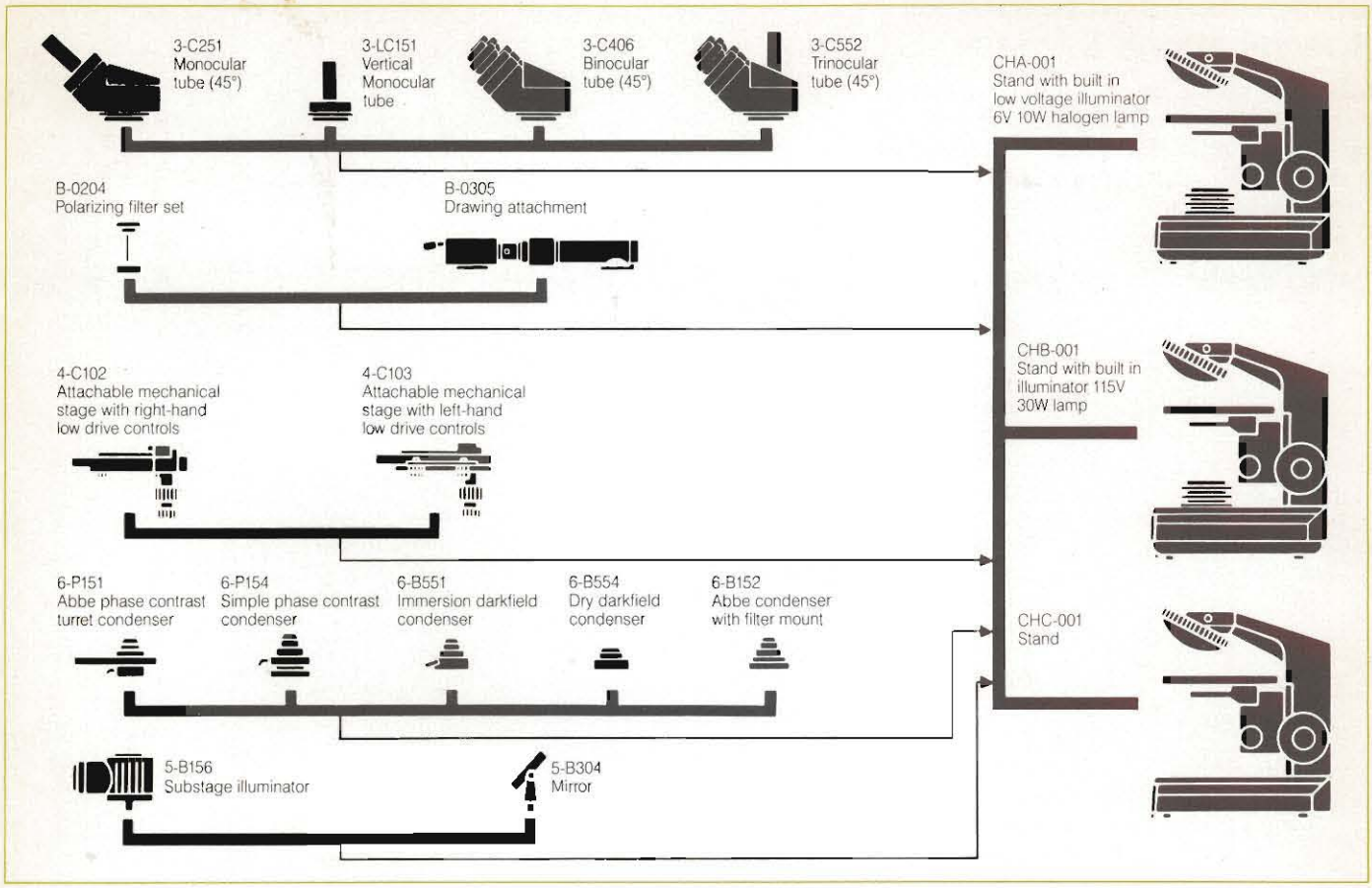
To help you appreciate the item described by a simple catalog number, we clearly specify each component of a microscope. This detail is also of use when preparing a description for bidding purposes.

CATALOG NO.	STANDS	SUGGESTED LIST PRICE
CHA-001	Microscope Stand CHA-F: With built-in 6V, 10W Illuminator. Modern design with broad base. Low positioned coaxial coarse and fine focusing controls. Planetary gear system allows coarse and fine focusing over a range of 30mm. Fine focusing knob graduated in increments of 2.5μ (0.0025mm). Adjustable focusing lock and coarse focus tension. Square, plain stage, 152mm X 124mm. Quadruple revolving nosepiece. Base, 8½" X 7". Removable baseplate for easy servicing, housing all electrical components, including low voltage transformer, input voltage selector, voltage trimmer, on-off switch, graduated thyristor light control lever, grounded UL approved three-wire cord with plug, fuse box, swing-out lamp holder for easy bulb replacement, and three fuses, 0.5A (2 spare). Substage with condenser knob (30mm) displacement, precentered condenser sleeve, condenser clamping screw. Flexible plastic dust cover, immersion oil, 8cc., instruction manual, warranty card and (3) 6V, 10W Halogen bulbs	$386.00
CHB-001	Microscope Stand CHB-F: With 115V, 30W built-in Illuminator. Modern design with broad base. Low positioned coaxial coarse and fine focusing controls. Planetary gear system allows coarse and fine focusing over a range of 30mm. Fine focusing knob graduated in increments of 2.5μ (0.0025mm). Adjustable focusing lock and coarse focus tension. Square, plain stage, 152mm X 124mm. Quadruple revolving nosepiece. Base, 8½" X 7". Removable base plate for easy servicing, housing all electrical components, voltage trimmer, on-off switch, graduated thyristor light control lever, grounded UL approved three-wire cord with plug, fuse box, swing-out lamp holder for easy bulb replacement, and three fuses, 0.5A (2 spare). Substage with condenser knob (30mm) displacement, precentered condenser sleeve, condenser clamping screw. Flexible plastic dust cover, immersion oil, 8cc, instruction manual, warranty card and (3) 115V, 30W Tungsten bulbs.	246.00
CHC-001	Microscope Stand CHC-F: Modern design with broad base. Low positioned coaxial coarse and fine focusing controls. Planetary gear system allows coarse and fine focusing over a range of 30mm. Fine focusing knob graduated in increments of 2.5μ (0.0025mm). Adjustable focusing lock and coarse focus tension. Square, plain stage, 152mm X 124mm. Quadruple revolving nosepiece. Base 8½" X 7" with opening for 115V, 20W Tungsten substage illuminator or mirror in mount. Substage with condenser knob (30mm) displacement, precentered condenser sleeve, condenser clamping screw. Flexible plastic dust cover, immersion oil, 8cc, instruction manual, warranty card	161.00
	OBSERVATION TUBES	
3-C552	Trinocular Observation Tube BH-TR45: Eyepiece tube inclination 45° with vertical phototube. High transmission coated prisms. Interpupillary distance adjustment 53mm to 72mm. Visual eyepiece tubes with variable graduated diopter adjustment. Sliding prism	307.00
3-C405	Binocular Observation Tube CH-Bi30: Eyepiece tube inclination 30°. High transmission coated prisms. Interpupillary distance adjustment 53mm to 72mm. Both eyepiece tubes with variable graduated diopter adjustment.	216.00
3-C406	Binocular Observation Tube CH-Bi45: Eyepiece tube inclination 45°. High transmission coated prisms. Interpupillary distance adjustment 53mm to 72mm. One eyepiece tube with variable graduated diopter adjustment	216.00
3-C251	Monocular Observation Tube CH-MO45: Eyepiece tube inclination 45°	53.00
3-LC151	Monocular Phototube BH2-PT: Eyepiece tube vertical.	26.00
	ILLUMINATORS	
5-B156	Substage Illuminator CH-LSK for CHC: With mounting plate, on/off switch & three bulbs, 120V, 20W	36.00
5-B304	Plano concave mirror, CH-MM, for CHC.	8.00

CATALOG NO.	ATTACHABLE MECHANICAL STAGES	SUGGESTED LIST PRICE
4-C102	Attachable Graduated Mechanical Stage CH-MVR: Right hand coaxial control knobs, traversing area 76mm X 50mm. With vernier scales reading to 0.1mm	93 00
4-C103	Attachable Graduated Mechanical Stage CH-MVL: Left hand coaxial control knobs, traversing area 76mm X 50mm. With vernier scales reading to 0.1mm	93 00
	CONDENSERS	
6-B152	Abbe Condenser CH-CD: N.A. 1.25, with aperture iris diaphragm, filter, blue clear, in mount and darkfield stop CH-DS	43.00
6-P151	Phase Contrast Turret Condenser BH-PC:N.A. 1.25 with aperture iris diaphragm, turret with four light annuli, and one aperture for brightfield, with auxiliary clamping wrench and green filter.	259.00
6-P154	Abbe Phase Condenser CH-PC N.A. 1.25 with aperture iris diaphragm and provision for interchangeable phase annuli	55.00
B-0120A	Phase Annulus in mount for Phase Objective PL10X	11.00
B-0121A	Phase Annulus in mount for Phase Objective PL20X	11 00
B-0122A	Phase Annulus in mount for Phase Objective PL40X	11 00
2-P790	Centering Telescope CT-4	49 00
6-B551	Immersion Darkfield Condenser DC-6 1.40/1 20 N A.	399 00
6-B554	Dry Darkfield Condenser DC-7 0.92/0.80 N.A	302 00
	OBJECTIVES	
	Brightfield	
1-B121	Achromat 4X, Flatfield N.A 0.10. dry	36 00
1-B131	Achromat 10X, Flatfield N A 0 25. dry	56 00
1-B140	Achromat 20X, Flatfield N A. 0 40, dry	74 00
1-B154	Achromat 40X, Flatfield N.A. 0.65, dry, spring-loaded	91.00
1-B191	Achromat 100X, Flatfield N.A. 1.30, oil immersion, spring-loaded	98.00
1-B521	Plan Achromat 4X, N.A. 0.10, dry	77.00
1-B531	Plan Achromat 10X, N.A. 0.25, dry	124.00
1-B541	Plan Achromat 20X, N.A. 0.40, dry, spring-loaded	135.00
1-B551	Plan Achromat 40X, N.A. 0.65, dry, spring-loaded	168.00
1-B590	Plan Achromat 100X, N.A. 1.25, oil, immersion, spring-loaded	331.00
1-LB121	D Achromat Flatfield 4X, N.A. 0.10, dry	41 00
1-LB131	D Achromat Flatfield 10X, N.A. 0.25, dry	64 00
1-LB140	D Achromat Flatfield 20X, N.A. 0.40, spring-loaded, dry	80 00
1-LB154	D Achromat Flatfield 40X, N.A. 0.65, spring-loaded, dry	104.00
1-LB191	D Achromat Flatfield 100X, N.A. 1.30, spring-loaded, oil	112.00
1-LB522	D Plan Achromat, 4X, N.A. 0.10, dry	66.00
1-LB532	D Plan Achromat, 10X, N.A. 0 25, dry	113 00
1-LB542	D Plan Achromat, 20X, N.A. 0 40, dry, spring-loaded	136 00
1-LB552	D Plan Achromat, 40X, N.A. 0.65, dry, spring-loaded	171 00
1-LB594	D Plan Achromat, 100X, N A 1 25, oil immersion, spring-loaded	398.00
	Phase Contrast	
1-P130	Phase Achromat Flatfield PL10X, N A. 0 25, positive low, dry	77.00
1-P140	Phase Achromat Flatfield PL20X, N.A. 0 40, positive low, dry	95.00
1-P150	Phase Achromat Flatfield PL40X, N.A 0 65, positive low, dry, spring-loaded	120.00
1-P190	Phase Achromat Flatfield PL100X, N.A. 1.30, oil, spring-loaded	142.00

CATALOG NO.	EYEPIECES	SUGGESTED LIST PRICE
2-LC322	High Eyepoint Widefield (20 F.N.) Eyepieces WK10X, single	73.00
2-C321	High Eyepoint Widefield Eyepiece HEPWF10X, single with eyeshields	37.00
2-C331	High Eyepoint Widefield Eyepieces BiHEPWF10X, with eyeshields	73.00
2-C330	Widefield Eyepieces BiWF10X, with eyeshields, paired	70.00
2-C320	Widefield Eyepieces WF10X, Single	35.00
2-C355	Widefield Eyepieces BiWF15X, with eyeshields, paired	74.00
2-C350	Widefield Eyepiece WF15X, Single	37.00
2-C765	Compensating Eyepiece, BiK20X, with eyeshields, paired	80.00
2-C760	Compensating Eyepiece, K20X, Single	40.00
82002	Eyepiece Pointer for HEP WF10X eyepiece	1.50
	FILTERS	
9-B213	Daylight Clear Blue Filter	7.00
9-B320	Green Clear Filter for Phase Contrast	8.00
	REPLACEMENT BULBS	
8-G102	Bulbs for Pointer 6V, 10W	4.00
8-C403	Bulbs, 6V, 10W HAL: Halogen	9.00
8-B401	Halogen Bulb Adapter C-LSH	12.00
8-B150	Bulbs 120V, 20W Tungsten	3.00
8-B152	Bulbs 120V, 30W	3 00
	DRAWING ATTACHMENTS	
B-0305	Drawing Attachment BH-DA: with knurled focusing collar, mirror tube, projection eyepiece holder, swing-out filter holder and opaque plate	457.00
	POLARIZED LIGHT ACCESSORIES	
B-0204	Polarizing Set, BH-POL	140.00
	MEASURING ACCESSORIES	
B-0550	Stage Micrometer—Metric 1MM/100 parts	29.00
B-0551	Stage Micrometer—Inch 0.04"/40 parts	35.00
2-B321	HEPW10X Eyepiece w/cross hairs & scale, 10/100 parts	113.00
2-B320	HEPW10X Eyepiece w/cross hairs	108.00
2-C390	WF10X Eyepiece w/scale 10/100 parts	51.00
	CARRYING CASE	
B-0421	Plastic Carrying Case with Lock & Key	50.00
	TEACHING HEAD DUAL OBSERVATION	
DO-002	Dual Viewing Body BH-DO: Illuminated arrow, Joystick control. Green and orange filters for arrow. Low voltage illuminator with removable socket, accepting bulb 6V, 10 Watt	567.00
5-C255	Low Voltage Transformer T-DO. With pilot light 4-position intensity switch (off, low, medium, high)	60.00

Model CH System Diagram



Authorized Olympus Dealer:

Minimum order $20.00. Terms 30 days net, FOB New Hyde Park, NY. Prices are suggested list price. Prices and specifications subject to change without notice.

OLYMPUS CORPORATION OF AMERICA/Precision Instrument Division/4 Nevada Drive, New Hyde Park, N.Y. 11042/(516) 488-3880

CODE:PLM34E