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**OLYMPUS<sup>®</sup>**  
**PRECISION**  
**INSTRUMENT**  
**DIVISION**

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# CH2

**LABORATORY & CLASSROOM  
MICROSCOPES**

**PRICES AND  
SPECIFICATIONS**

EFFECTIVE: JANUARY 15, 1993  
MINIMUM ORDER: \$50.00

*TERMS: 30 DAYS NET, FOB LAKE SUCCESS, N.Y.  
ALL PRICES AND SPECIFICATIONS SUBJECT  
TO CHANGE WITHOUT NOTICE.*

OLYMPUS CORPORATION  
PRECISION INSTRUMENTS DIVISION  
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**MODEL PLANNER CHART: CH2**

Choose the desired components, combine their stand code and component group numbers in the same chronological order as the columns below and you have the model number of the configuration desired. Recommended below are several examples shown alongside their disciplines.

STANDS	OBSERVATION TUBES	STAGES	OBJECTIVES 45MM DIN STANDARD	CONDENSERS	EYEPIECES
<b>CHS</b> Cat. No. CHS-001A Stand with built in low voltage 6V 20W halogen lamp, includes 1 Cat. No. 8-C405 bulb and Cat. No. 9-LB211 filter.	Cat. No. 3-C251 Monocular Tube (45 degrees) <b>1</b>	Cat. No. 4-C102 Attachable mechanical stage with right hand low drive controls <b>1</b>	Cat. No. 1-LB121 4X D Achromat 1-LB131 10X D Achromat 1-LB154 40X D Achromat 1-LB 191 100X D Achromat <b>3</b>	Cat. No. 6-LB250 Abbe 1.25 N.A. Cat. No. B-LO730 filter holder <b>1</b>	Cat. No. 2-LC325 CWHK 10X (2 required) <b>5</b>
	Cat. No. 3-C406 Binocular Tube (45 degrees) <b>2</b>	Cat. No. 4-C103 Attachable mechanical stage with left hand low drive controls <b>2</b>	Cat. No. 1-LB120 4X ED Achromat 1-LB130 10X ED Achromat 1-LB150 40X ED Achromat 1-LB190 100X ED Achromat <b>4</b>	Cat. No. 6-B551 Immersion darkfield condenser <b>4</b>	Cat. No. 2-LC325 CWHK 10X single <b>6</b>
<b>CHT</b> Cat. No. CHT-001A Stand with built in illuminator 115V 30W tungsten lamp, includes 2 Cat. No. 8-B152 bulbs and Cat. No. 9-LB211 filter	Cat. No. 3-C552 Trinocular Tube (45 degrees) <b>3</b>		PHASE CONTRAST <b>6</b> Cat. No. 1-LP130 10X D Achromat PL 1-LP150 40X D Achromat PL	Cat. No. 6-LP154S Turret phase condenser, 10X & 40X phase positions 2-P791 CT-5 Telescope 9-LB301 Blue Filter 9-B320 Green Filter <b>5</b>	
	Cat. No. 3-LC151 Vertical Monocular Tube <b>4</b>		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 <b>7</b>	Cat. No. 6-LB250 Abbe 1.25 N.A. Cat. No. B-LO105 field diaphragm and auxiliary lens <b>6</b>	
			PHASE CONTRAST <b>8</b> Cat. No. 1-LP130 10X D Achromat PL 1-LP140 20X D Achromat PL 1-LP150 40X D Achromat PL 1-LP190 100X D Achromat PL	Cat. No. 6-LP151A Turret phase condenser, four phase positions and interference green filter Cat. No. 2-P791 CT-5 Telescope <b>7</b>	

**RECOMMENDED CONFIGURATIONS  
 BY DISCIPLINE**

Hematology or Pathology	CHS-21415	\$1,848.00
	CHS-21365	\$2,108.00
	CHS-21765	\$2,757.00
Urinalysis	CHS-21655	\$2,343.00
	CHT-21655	\$2,068.00
	CHS-21875	\$3,345.00
College Laboratory	CHT-21415	\$1,573.00
	CHS-21765	\$2,757.00



CATALOG NO.	PRODUCT DESCRIPTION	SUGG. LIST PRICE
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**STANDS**

CHS-001A	Microscope stand CHS-F: with built-in 6V/20W illuminator. Modern design with broad base. Low positioned coaxial coarse and fine focusing controls. Coarse adjustment range 25mm. With focusing limit control lock lever. Fine focusing knob graduated in increments of 2.5 microns (0.0025mm). Adjustable coarse focus tension. Rectangular plain stage 124mm(W) X 153(L). Quadruple ball-bearing 4 place revolving nosepiece. Removable baseplate for easy servicing, housing all components including low voltage transformer, input voltage selector, voltage trimmer, on-off switch, graduated light intensity control wheel, grounded UL approved, detachable, three wire cord with plug. Swing-out lamp holder for easy bulb replacement, fuse holder with two 1A fuses, one as spare. Substage with condenser focus knob (28mm displacement), precentered condenser sleeve, condenser clamping screw. Flexible plastic dust cover, immersion oil (8cc), one 6V/20W halogen bulb (Cat. No. 8-C405), daylight blue filter in mount (Cat. No. 9-LB211), instruction manual, warranty card.	\$ 711.00
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CHT-001A	Microscope stand CHT-F: With built-in 115V/30W illuminator. Modern design with broad base. Low positioned coaxial coarse and fine focusing controls. Coarse adjustment range 25mm. With focusing limit control lock lever. Fine focusing knob graduated in increments of 2.5 microns (0.0025mm). Adjustable coarse focus tension. Rectangular plain stage 124mm (W) X 153(L). Quadruple ball-bearing 4 place revolving nosepiece. Removable baseplate for easy servicing, housing all components. Voltage trimmer, on-off switch, graduated light intensity control wheel, grounded UL approved, detachable, three wire cord with plug. Swing-out lamp holder for easy bulb replacement. Fuse holder with two fuses 0.8A, one as spare. Substage with condenser focus knob (28mm displacement), precentered condenser sleeve, condenser clamping screw. Flexible plastic dust cover, immersion oil (8cc), instruction manual, warranty card. Includes 115V/30W tungsten bulb (Cat. No. 8-B152) two bulbs provided, and daylight blue filter in mount (Cat. No. 9-LB211).	436.00
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**OBSERVATION TUBES**

3-C251	CH-M045 Monocular Observation Tube, eyepiece tube inclination 45 degrees.	68.00
3-C406	Binocular Observation Tube CH-B145: Eyepiece tube inclination 45 degrees. High transmission coated prisms. Interpupillary adjustment 53mm to 72mm. One eyepiece tube with graduated diopter adjustment.	339.00
3-C405	Binocular Observation Tube BH-Bi30: Eyepiece tube inclination 30 degrees. High transmission coated prisms. Interpupillary distance adjustment 53mm to 72mm. Both eyepiece tubes with variable graduated diopter adjustments.	446.00
3-C552	Inclined Binocular Observation Tube and Vertical Phototube BH-TR45-W: Eyepiece tube inclination 45 degrees. High transmission coated prisms. Interpupillary distance adjustment 53mm to 72mm. both visual eyepiece tubes, with variable graduated diopter adjustment. Sliding Prism with 20%/80% observation/photography.	603.00
3-LC151	Monocular Phototube BH2-PT: Vertical eyepiece tube.	53.00

CATALOG NO.	PRODUCT DESCRIPTION	SUGG. LIST PRICE
<b>ATTACHABLE MECHANICAL STAGES</b>		
4-C102	Attachable Graduated Mechanical Stage CH-MVR: Right hand coaxial control knobs, traversing area 50mm X 76mm. With vernier scale reading to 0.1mm.	\$ 161.00
4-C103	Attachable Graduated Mechanical Stage CH2-MVL: Left hand coaxial control knobs, traversing area 50mm X 76mm. With vernier scale reading to 0.1mm.	161.00
<b>CONDENSERS</b>		
6-LB250	CH2-CD Abbe Condenser: N. A. 1.25 with aperture iris diaphragm. Accepts CH2-FH filter holder (not included) for 32.5mm filters. Accepts centerable auxiliary C2-AL lens (not included) used with optional field diaphragm. CH2-FS (not included) Koehler illumination. Includes darkfield stop CH2-DS.	106.00
B-L0730	CH2-FH Filter Holder for CH2-CD Condenser.	7.00
B-L0105	Field Iris Diaphragm Attachment CH2-FS: Includes field iris diaphragm (C2-FS) attachment fitting on top of field lens and auxiliary lens C2-AL (with centering screws) for attaching to underside of Abbe condenser CH2-CD.	91.00
6-LP151A	BH2-PC Phase Contrast Turret Condenser: N. A. 1.25. Turret with centerable phase annuli for 10X, 20X, 40X, 100X, "0" position for brightfield with aperture iris diaphragm, built-in retractable centering screws; 45mm green interference filter IF550.	812.00
6-LP152A	BH2-PC-SP Special Phase Contrast Turret Condenser: N. A. 1.25. Turret with centerable annuli for 10X, 40X, 100X; darkfield stop (in 20X phase position) for 10X, 20X, or 40X objectives. "0" position for brightfield with aperture iris diaphragm; 45mm green interference filter IF550.	1,281.00
6-LP154S	CH2-PCD Phase Contrast Turret Condenser: N. A. 1.25 with two centerable annuli (10,40), darkfield stop, one brightfield opening with aperture iris diaphragm. Includes clamping screw, two centering screws provided (AA8495). Field diaphragm (Cat. No. B-L0105) cannot be used with this condenser. Includes 9-B320 and 9-LB301 Filters.	350.00
B-L0126	Phase Annulus CH2-RS10: Simple phase annulus for use with 10X phase objective; attaches to base of Abbe condenser, (Cat. No. 6-LB250, see above); with two centering screws.	64.00
B-L0127	Phase Annulus CH2-RS40: Simple phase annulus for use with 40X phase objective; attaches to base of Abbe condenser, (Cat. No. 6-LB250, see above); with two centering screws.	64.00
2-P791	Centering Telescope CT-5: For aligning phase condenser annuli to phase rings of phase objectives.	144.00
6-B551A	BH-DC Immersion Darkfield Condenser: N. A. 1.2-1.4 for use with 40X and 100X objectives with iris. Requires oil contact between top of condenser and underside of slide.	751.00

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<b>CATALOG NO.</b>	<b>PRODUCT DESCRIPTION</b>	<b>SUGG. LIST PRICE</b>
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**OBJECTIVES, 45MM DIN STANDARD**

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**Brightfield**

1-LB121	D Achromat Flatfield 4X, N. A. 0.10, dry.	\$ 71.00
1-LB131	D Achromat Flatfield 10X, N. A. 0.25, dry.	109.00
1-LB140	D Achromat Flatfield 20X, N. A. 0.40, dry, spring-loaded.	138.00
1-LB154	D Achromat Flatfield 40X, N. A. 0.65, dry, spring-loaded.	180.00
1-LB191	D Achromat Flatfield 100X, N. A. 1.30, oil, spring-loaded.	194.00
1-LB522	D Plan Achromat 4X, N. A. 0.10, dry.	133.00
1-LB532	D Plan Achromat 10X, N. A. 0.25, dry.	195.00
1-LB542	D Plan Achromat 20X, N. A. 0.40, dry, spring-loaded.	218.00
1-LB552	D Plan Achromat 40X, N. A. 0.65, dry, spring-loaded.	327.00
1-LB555	D Plan Achromat 50X, N. A. 0.90, oil, iris, spring-loaded.	862.00
1-LB594	D Plan Achromat 100X, N. A. 1.25, oil, spring-loaded.	548.00
1-LB120	ED Achromat Flatfield 4X, N. A. 0.10, dry.	49.00
1-LB130	ED Achromat Flatfield 10X, N. A. 0.25, dry.	64.00
1-LB150	ED Achromat Flatfield 40X, N. A. 0.65, dry, spring-loaded.	107.00
1-LB190	ED Achromat Flatfield 100X, N. A. 1.25, oil, spring-loaded.	158.00

**Phase Contrast Positive Low Contrast PL**

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1-LP130	Phase Contrast D Achromat Flatfield 10X, N. A. 0.25, dry, positive low.	173.00
1-LP140	Phase Contrast D Achromat Flatfield 20X, N. A. 0.40, dry, spring-loaded, positive low.	230.00
1-LP150	Phase Contrast D Achromat Flatfield 40X, N. A. 0.65, dry, spring-loaded, positive low.	286.00
1-LP190	Phase Contrast D Achromat 100X, N. A. 1.30, oil, spring-loaded, positive low.	343.00

CATALOG NO.	PRODUCT DESCRIPTION	SUGG. LIST PRICE
<b>EYEPIECES</b>		
2-LC325	CWHK10X, widefield high eyepoint compensating eyepiece, F. N. 18, single.	\$ 73.00
B-0681	Eyepiece pointer for CHWK10X eyepiece.	3.00
2-LC311	WHK8X, widefield high eyepoint compensating eyepiece, F. N. 20, single.	127.00
2-LC322	WK10X, widefield compensating eyepiece, F. N. 20, color free, single.	145.00
2-LC324	WK10X-H, widefield compensating eyepiece, F. N. 20, color free, diopter adjustment -8 to +2, single.	154.00
<b>FILTERS</b>		
B-L0730	Filter Holder CH2-FH: For attaching 32.5mm filters to underside of CH2-CD condenser.	7.00
9-LB211	Filter 32.5C-2 Clear blue filter 32.5mm diameter for CH2-PCD; Fits into filter holder CH2-FH (not included).	16.00
9-B212	Frosted blue filter, 32.5mm for E, F, K.	9.00
9-B320	Green clear filter, 45mm for B/W contrast.	17.00
9-LB301	Filter 45C-3: Clear blue filter, 45mm, for placement on field condenser lens of CH2.	16.00
9-B323	Interference green filter, 43-IF550. 45mm.	94.00
9-B360	White frosted diffusing filter, 45mm.	39.00
<b>REPLACEMENT BULBS</b>		
8-G102	6V/10W Bulb for LDO and MDO arrow pointer.	7.00
8-C405	6V/20W Halogen Bulb To fit CHS lamp socket 5-S119.	8.00
8-B152	120V/30W tungsten, for CHT	3.00
<b>DRAWING ATTACHMENT</b>		
B-L0305	Drawing Attachment BH2-DA: With knurled focusing collar, mirror tube, projection eyepiece holder, parfocalizing adapter, 1.25X magnification factor (requires NFK-LD eyepiece).	996.00
2-LC894	NFK 2. 5X-LD photo compensating eyepiece, single.	152.00
2-LC895	NFK 3. 3X-LD photo compensating eyepiece, single.	152.00
2-LC896	NFK5X-LD photo compensating eyepiece, single.	152.00

CATALOG NO.	PRODUCT DESCRIPTION	SUGG. LIST PRICE
<b>MEASURING ACCESSORIES</b>		
B-0550	Stage Micrometer-Metric 1mm/100 parts, on microscope slide for transmitted light.	\$ 55.00
B-0551	Stage Micrometer-Inch 0.04"/40 parts, on microscope slide for transmitted light.	69.00
2-LB323	WK10M, widefield high eyepoint focusing eyepiece with cross hairs and scale 10/100 divisions, F. N. 20, single.	258.00
2-LB322	WK10X, widefield high eyepoint focusing eyepiece with cross hairs, F. N. 20, single.	258.00
<b>CARRYING CASE</b>		
B-0425	CH2 Denim carrying case.	68.00
<b>TEACHING HEAD DUAL OBSERVATION</b>		
LDO-010	Dual Observation body BH2-DO: opposed viewing with illuminated arrow pointer, joystick control. Green and orange filters for arrow magnification factor 1X. Matching upright and unreversed image to main observation tube. Low voltage illuminator with removable socket, including three 6V/10W bulbs (Cat. No. 8-G102)	1,362.00
5-C255	Low Voltage Transformer T-DO: Pilot light, 4- position intensity switch (off, low, medium, high).	131.00

**PHOTOGRAPHIC ACCESSORIES**

*For a complete selection of photomicrographic attachment cameras and accessories, please consult our price list for Models PM10ADSP, PM10AD, PM10AK, PM10M.*

