



NATIONAL OPTICAL & SCIENTIFIC INSTRUMENTS, INC.

6508 Tri-County Parkway • Schertz, Texas 78154
PHONE (210) 590-9010 • FAX (210) 590-1104
DEALER TOLLFREE SERVICE NUMBER (800) 275-3716
WEBSITE: www.nationaloptical.com

PRICE LIST EFFECTIVE JANUARY 1, 2017

SHIPPING: F.O.B. Schertz, Texas

NEW ACCOUNTS: National sells only to authorized dealers who are engaged in the resale of product to the end user. Contact sales department for further information.

In the event that the end user is unable to obtain replacement bulbs from a dealer, National will supply bulbs only on a direct basis. Such purchases to individuals are on a cash-in-advance basis. All such purchases must include \$15.00 for shipping and handling. National is unable to accommodate credit card purchases.

LABOR: A \$50.00 per unit charge will be added to dealer cost when installing any “non-National” parts to a microscope.

INTERNATIONAL SHIPMENTS: On small International shipments, National will not drop ship. These shipments must be shipped to the dealer for handling to their customer. Please contact National for large International shipments.

WARRANTIES: See page 15.

ABBREVIATIONS USED IN THIS PRICE LIST:

WF	=	Widefield eyepiece	Fluor	=	Fluorescent bulb
P	=	Pointer in eyepiece	MS	=	Supplied with factory mounted, add-on mechanical stage
R	=	Spring retractable objective	A	=	220v version supplied with European type Plug, CE approved, no cost difference
C	=	Coarse focus only	D	=	110~240v auto switching recharger, supplied w/American type plug
CM	=	Intermediate range focus	E	=	110~240v auto-switching power supply, supplied w/American type plug
CF	=	Separate coarse & fine focus	NA	=	Not available
CX	=	Coaxial coarse & fine focus			
Tung	=	Tungsten bulb			
Halo	=	Halogen bulb			
LED	=	LED light: disposable battery operation			
CLED	=	LED light: corded			
RLED	=	LED light: rechargeable batteries			

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6508 Tri-County Parkway Schertz, Texas 78154 Phone (210) 590-9010 Fax (210) 590-1104

Model No.	Head	Eyepiece(s)	Obj. Turret	Objectives	Focus	Stage	Condenser	Illumination	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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100 SERIES ELEMENTARY COMPOUND MICROSCOPES

102	Inclined	WF10x(P)	3	4x, 10x, 40xR	CM	Clips	None	LED		\$ 69.00	4/25 lbs	18 lbs	NA	
104-CLED	Inclined	WF10x(P)	3	4x, 10x, 40xR	CM	Clips	Diffuser	LED	800-001	\$ 159.00	5/40 lbs.	18 lbs	NA	
106	Vertical	WF10x(P)	3	4x, 10x, 40xR	C	Clips	None	Mirror		\$ 99.00	5/37 lbs	18 lbs		
106-LED	Vertical	WF10x(P)	3	4x, 10x, 40xR	C	Clips	None	LED	special	\$ 131.00	5/37 lbs	18 lbs	D	
109	Inclined	WF10x(P)	3	4x, 10x, 40xR	CF	Clips	None	Mirror		\$ 122.00	5/37 lbs	18 lbs		
109-LED	Inclined	WF10x(P)	3	4x, 10x, 40xR	CF	Clips	None	LED	special	\$ 154.00	5/37 lbs	18 lbs	D	
ACCESSORIES & PARTS FOR 100 SERIES														
800-001	Replacement LED light for 104-CLED									\$ 13.00				
800-101	Replacement bulb, 120v 15 watt tungsten, D.C. medium bayonet base									\$ 6.00				
802-003	Auto cut-off recharger for rechargeable LED microscopes									\$ 36.00			D	
906-LED	Add-on substage LED illuminator for cordless operation. LED element equal to 20 watt tungsten bulb, powered by 3 AA rechargeable nickel metal hydride batteries, recharger (included) plugs into any 115v watt outlet, each 8-hour recharge provides 40-50 hours use. Use on any microscope that normally accepts the #900 illuminator.									\$ 43.00			D	
950	Dustcover, 13" tall x 11", heavy vinyl with stitched seams									\$ 3.25				
960-042	Plano-concave mirror 42mm dia., w/5mm O.D. mounting post									\$ 13.00				
970-106	Stage clip, spring activated, supplied with M3 x 0.5 x 14 mounting screw, each									\$ 5.00				

Model No.	Head	Eyepiece(s)	Obj. Turret	Objectives	Focus	Stage	Condenser	Illumination	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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130 SERIES COMPOUND MICROSCOPES

131	Inclined	WF10x(P)	3	DIN 4x, 10x, 40xR	CF	Clips	0.65	20 Watt Tung.	800-102	\$ 255.00	5/64 lbs	18 lbs	NA
131-CLED	Inclined	WF10x(P)	3	DIN 4x, 10x, 40xR	CF	Clips	0.65	LED	800-001	\$ 265.00	5/64 lbs	18 lbs	NA
131-CLED-MS	Inclined	WF10x(P)	3	DIN 4x, 10x, 40xR	CF	Mech	0.65	LED	800-001	\$ 333.00	5/64 lbs	18 lbs	NA
131-RLED	Inclined	WF10x(P)	3	DIN 4x, 10x, 40xR	CF	Clips	0.65	LED	800-001	\$ 275.00	5/64 lbs	18 lbs	D
131-MS	Inclined	WF10x(P)	3	DIN 4x, 10x, 40xR	CF	Mech	0.65	20 Watt Tung.	800-102	\$ 323.00	5/64 lbs	18 lbs	NA
132-CLED	Dual	WF10x(P) (2)	3	DIN 4x, 10x, 40xR	CF	Clips	0.65	LED	800-001	\$ 355.00	5/64 lbs	18 lbs	NA
132-CLED-MS	Dual	WF10x(P) (2)	3	DIN 4x, 10x, 40xR	CF	Mech	0.65	LED	800-001	\$ 423.00	5/64 lbs	18 lbs	NA
133-CLED	Inclined	WF10x(P)	4	DIN 4x, 10x, 40xR	CF	Mech	1.25 Abbe	LED	800-001	\$ 379.00	5/64 lbs	18 lbs	NA
134-CLED	Inclined	WF10x(P)	4	DIN 4x, 10x, 40xR, 100xR	CF	Mech	1.25 Abbe	LED	800-001	\$ 449.00	5/64 lbs	18 lbs	NA
ACCESSORIES & PARTS FOR 130 SERIES													
610-045		WF10x eyepiece w/pointer								\$ 36.00			
610-045R		WF10x eyepiece w/reticle, 10mm/100 div.								\$ 81.00			
704-045		DIN 4x objective 0.10 N.A.								\$ 25.00			
710-045		DIN 10x objective 0.25 N.A.								\$ 35.00			
740-045		DIN 40xR objective 0.65 N.A.								\$ 45.00			
799-045		DIN 100xR objective 1.25 N.A.								\$ 80.00			
800-001		Replacement LED light								\$ 13.00			
800-102		Replacement bulb, 115v 20 watt tungsten, D.C. medium bayonet base								\$ 13.00			
800-138		Replacement bulb, 5 watt fluorescent, for Model 138/139 series microscopes can be used in 110v or 230v version of this series.								\$ 11.00			
801-160		Replacement fuse, 0.5 amp, time delay (131-CLED)								\$ 7.00			
802-003		Auto cut-off recharger for rechargeable LED microscopes								\$ 36.00			D
920		Abbe condenser, N.A. 1.25, spiral type, with iris diaphragm								\$ 100.00			
925		Iris diaphragm								\$ 45.00			
935		Pointer for compound microscopes, spring type								\$ 6.00			
951		Dustcover, 16" tall x 13", heavy vinyl with stitched seams								\$ 8.00			
965-160		Eyepiece reticle, 10mm/100 Div., 19mm diameter, 1.28mm thick								\$ 45.00			
970-131		Stage clip, spring activated, supplied with M3 x 0.5x x14 mounting screw, each								\$ 5.00			
975-001		Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions: 14-7/8 x 7-3/4 x 10-1/2 inches. Fits all of above, except dual head models.								\$ 129.00			
975-002		Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions: 17-1/4 x 8 x 11-3/4 inches. Fits dual head models.								\$ 139.00			
Note: #910 mechanical stage is no longer sold separately.													

C SERIES COMPOUND MICROSCOPE

***Unit supplied with 110v~220v power supply.

C1028	Inclined	WF10x(P)	3	DIN 4x, 10x, 40xR	CF	Clips	0.65	LED	800-001	\$ 229.00	5/64 lbs	18 lbs	D
ACCESSORIES & PARTS FOR C1028 (see above 130 series)													

Model No.	Head	Eyepiece(s)	Obj. Turret	Objectives	Focus	Stage	Condenser	Illumination	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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167 SERIES COMPOUND OIL IMMERSION MICROSCOPES (built-in mechanical stage)

167-SP	Monoc.	WF10x(P)	4	Semi-Plan DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-500	\$ 626.00	1	33 lbs	E
167-ASC	Monoc.	WF10x(P)	4	Super High Contrast DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-500	\$ 679.00	1	33 lbs	E
167-P	Monoc.	WF10x(P)	4	Plan Achromat DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-500	\$ 810.00	1	33 lbs	E
168-SP	Binoc.	WF10x (2) (P)	4	Semi-Plan DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-500	\$ 815.00	1	33 lbs	E
168-ASC	Binoc.	WF10x (2) (P)	4	Super High Contrast DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-500	\$ 868.00	1	33 lbs	E
168-P	Binoc.	WF10x (2) (P)	4	Plan Achromat DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-500	\$ 999.00	1	33 lbs	E
168-PH	Binoc.	WF10x (2) (P)	4	Plan Phase DIN 10x,20x,40xR,100xR	CX	Mech	1.25 PH	LED	800-500	\$ 1899.00	1	38 lbs	E
169-SP	Trinoc.	WF10x (3) (P)	4	Semi-Plan DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-500	\$ 1055.00	1	33 lbs	E
169-ASC	Trinoc.	WF10x (3) (P)	4	Super High Contrast DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-500	\$ 1108.00	1	33 lbs	E
169-P	Trinoc.	WF10x (3) (P)	4	Plan Achromat DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-500	\$ 1239.00	1	33 lbs	E
169-PH	Trinoc.	WF10x (3) (P)	4	Plan Phase DIN 10x,20x,40xR,100xR	CX	Mech	1.25 PH	LED	800-500	\$ 2139.00	1	38 lbs	E
ACCESSORIES & PARTS FOR 160 SERIES													
600-160				Eyecup, rubber, each						\$ 6.00			
610-167				WF10x eyepiece (for 167 series only)						\$ 57.00			
610-167R				WF10x eyepiece w/reticle, 10mm/100 div.. If for use with #168 or #169 models, also purchase second eyepiece 610-167 so eyepiece specs match.						\$ 102.00			
704-160ASC				DIN 4x Super High Contrast objective lens, 0.10N.A.						\$ 28.00			
704-160P				DIN 4x Plan Achromat objective lens, 0.10 N.A.						\$ 33.00			
704-160SP				DIN 4x Achromat objective lens, 0.10 N.A.						\$ 32.00			
710-160ASC				DIN 10x Super High Contrast objective lens, 0.25 N.A.						\$ 36.00			
710-160P				DIN 10x Plan Achromat objective lens, 0.25 N.A.						\$ 55.00			
710-160SP				DIN 10x Achromat objective lens, 0.25 N.A.						\$ 33.00			
720-160P				DIN 20x Plan Achromat objective lens, 0.40 N.A.						\$ 125.00			
740-160ASC				DIN 40xR Super High Contrast objective lens, 0.65 N.A.						\$ 66.00			
740-160P				DIN 40xR Plan Achromat objective lens, 0.65 N.A.						\$ 104.00			
740-160SP				DIN 40xR Achromat objective lens, 0.65 N.A.						\$ 42.00			
760-160P				DIN 60xR Plan Achromat objective lens, 0.85 N.A.						\$ 199.00			
799-160ASC				DIN 100xR Super High Contrast objective lens, 1.25 N.A.						\$ 99.00			
799-160P				DIN 100xR Plan Achromat objective lens, 1.25 N.A.						\$ 168.00			
799-160SP				DIN 100xR Achromat objective lens, 1.25 N.A.						\$ 69.00			
800-160				Replacement bulb, 12v 20 watt halogen bi-pin (for old 160 series only)						\$ 15.00			
800-500				Replacement bulb, 3 watt LED						\$ 36.00			
801-160				Replacement fuse, 0.5 amp, time delay (for 110v and 220v version)						\$ 7.00			

continued on next page

Model No.	Head	Eyepiece(s)	Obj. Turret	Objectives	Focus	Stage	Condenser	Illumination	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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167 SERIES COMPOUND OIL IMMERSION MICROSCOPES (built-in mechanical stage) (con't)

923-160				Blue Filter, 32mm (only for use with older 160 series microscopes)						\$ 13.00			
926				Phase contrast set: Centering telescope, PLAN/Phase 10x,20x, 40x, 100xR (oil immersion) objectives, Phase turret condenser assembly including one brightfield position, blue & green filters, storage case. (only for 160 series)						\$ 1325.00	1	10 lbs.	
927				Darkfield attachment (simple plug in type)						\$ 75.00			
935				Pointer for compound microscopes, spring type						\$ 6.00			
930-005				Video C-mount adaptor w/0.5x lens (for use with model 163 & 169 only)						\$ 84.00			
930-163				SLR photo adaptor w/2.5x photo lens (for use with model 163 & 169 only)						\$ 159.00			
952				Dustcover, 18" tall x 16", heavy vinyl w/stitched seams						\$ 8.50			
965-160				Eyepiece reticle, 10mm/100 Div., 19mm diameter, 1.28mm thick (160 series)						\$ 45.00			
975-002				Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions: 17-1/4 x 8 x 11-3/4 inches						\$ 139.00			
D-905				Power supply, auto-switching (100-240v 47-63 Hz in,12v out) w/power cord						\$ 83.00			E

205 / 210 SERIES COMPOUND MICROSCOPES (RLED models have rechargeable batteries)

205-RLED	Monoc.	WF10x	3	4x, 10x, 40xR	CF	Clips	0.65	LED	800-001	\$ 225.00	4/43 lbs	18 lbs	D	
210	Monoc.	WF10x	3	DIN 4x, 10x, 40xR	CF	Clips	0.65	LED	800-001	\$ 349.00	2/39 lbs	33 lbs	NA	
210-RLED	Monoc.	WF10x	3	DIN 4x, 10x, 40xR	CF	Clips	0.65	LED	800-001	\$ 369.00	2/39 lbs	33 lbs	D	
211	Monoc.	WF10x	4	DIN 4x, 10x, 40xR	CF	Mech	1.25 Abbe	LED	800-001	\$ 459.00	2/39 lbs	33 lbs	NA	
211-RLED	Monoc.	WF10x	4	DIN 4x, 10x, 40xR	CF	Mech	1.25 Abbe	LED	800-001	\$ 479.00	2/39 lbs	33 lbs	D	
212	Monoc.	WF10x	4	DIN 4x, 10x, 40xR,100xR	CF	Mech	1.25 Abbe	LED	800-001	\$ 529.00	2/39 lbs	33 lbs	NA	
212-RLED	Monoc.	WF10x	4	DIN 4x, 10x, 40xR,100xR	CF	Mech	1.25 Abbe	LED	800-001	\$ 549.00	2/39 lbs	33 lbs	D	
213-RLED	Monoc.	WF10x	4	DIN 4x, 10x, 40xR	CX	Mech	1.25 Abbe	LED	800-001	\$ 549.00	2/39 lbs	33 lbs	D	
214-RLED	Monoc.	WF10x	4	DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-001	\$ 615.00	2/39 lbs	33 lbs	D	
215-RLED	Binoc.	WF10x	4	DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-001	\$ 715.00	2/39 lbs	33 lbs	D	
215-RLED-ASC	Binoc.	WF10x	4	DIN 4x, 10x, 40xR,100xR	CX	Mech	1.25 Abbe	LED	800-001	\$ 795.00	2/39 lbs	33 lbs	D	
ACCESSORIES & PARTS FOR 210 SERIES														
610-155				WF10x eyepiece w/pointer						\$ 43.00				
610-155R				WF10x eyepiece w/reticle, 10mm/100 div.						\$ 88.00				
704-155				DIN 4x objective lens, 0.10 N.A. (210 Series only)						\$ 25.00				
704-160ASC				DIN 4x Super High Contrast objective lens, 0.10N.A. (Model 215-RLED only)						\$ 28.00				
710-155				DIN 10x objective lens, 0.25 N.A. (210 Series only)						\$ 35.00				
710-160ASC				DIN 10x Super High Contrast objective lens, 0.25 N.A. (Model 215-RLED only)						\$ 36.00				
740-155				DIN 40xR objective lens, 0.65 N.A. (210 Series only)						\$ 45.00				
740-160ASC				DIN 40xR Super High Contrast objective lens, 0.65 N.A. (Model 215-RLED only)						\$ 66.00				
799-155				DIN 100xR objective lens, 1.25 N.A. (210 Series only)						\$ 80.00				
799-160ASC				DIN 100xR Super High Contrast objective lens, 1.25 N.A. (Model 215-RLED only)						\$ 99.00				
800-001				Replacement LED light.						\$ 13.00				
801-160				Replacement fuse, 0.5 amp, Time Delay						\$ 7.00				
802-003				Auto cut-off recharger for rechargeable RLED microscopes						\$ 36.00			D	
930-210				Video C-mount adapter for 205/210 series top port						\$ 95.00				
952				Dustcover, 18" tall x 16", heavy vinyl with stitched seams						\$ 8.50				
965-160				Eyepiece reticle, 10mm/100 Div., 19mm diameter, 1.28mm thick						\$ 45.00				
970-131				Stage clip, spring activated, supplied with M3 x 0.5x x14 mounting screw, each						\$ 5.00				
975-002				Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions: 17-1/4 x 8 x 11-3/4 inches						\$ 139.00				

COMPOUND CORDLESS LED MICROSCOPES WITH RECHARGEABLE BATTERIES (recharger included)

These models feature LED illumination powered by three rechargeable AA Nickel Metal Hydride batteries (included). LED brightness equal to 20 watt tungsten bulb, rated 50,000 hours life. Each battery set can be recharged up to 500 times, with 40-50 hours use from each recharge, for total life up to 20-25,000 hours for each set of batteries. Battery recharger included with each microscope.

Model No.	Head	Eyepiece(s)	Obj. Turret	Objectives	Focus	Stage	Condenser	Illumination	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
C1028	Inclined	WF10x(P)	3	4x, 10x, 40xR	CF	Clips	0.65	LED	800-001	\$ 229.00	5/64 lbs	18 lbs	D
131-RLED	Inclined	WF10x(P)	3	DIN 4x, 10x, 40xR	CF	Clips	0.65	LED	800-001	\$ 275.00	5/64 lbs	18 lbs	D
205-RLED	Monoc.	WF10x	3	4x, 10x, 40xR	CF	Clips	0.65	LED	800-001	\$ 225.00	4/43 lbs	18 lbs	D
210-RLED	Monoc.	WF10x	3	DIN 4x, 10x, 40xR	CF	Clips	0.65	LED	800-001	\$ 369.00	2/39 lbs	33 lbs	D
211-RLED	Monoc.	WF10x	4	DIN 4x, 10x, 40xR	CF	Mech	1.25 Abbe	LED	800-001	\$ 479.00	2/39 lbs	33 lbs	D
212-RLED	Monoc.	WF10x	4	DIN 4x, 10x, 40xR, 100xR	CF	Mech	1.25 Abbe	LED	800-001	\$ 549.00	2/39 lbs	33 lbs	D
213-RLED	Monoc.	WF10x	4	DIN 4x, 10x, 40xR	CX	Mech	1.25 Abbe	LED	800-001	\$ 549.00	2/39 lbs	33 lbs	D
214-RLED	Monoc.	WF10x	4	DIN 4x, 10x, 40xR, 100xR	CX	Mech	1.25 Abbe	LED	800-001	\$ 615.00	2/39 lbs	33 lbs	D
215-RLED	Binoc.	WF10x	4	DIN 4x, 10x, 40xR, 100xR	CX	Mech	1.25 Abbe	LED	800-001	\$ 715.00	2/39 lbs	33 lbs	D
215-RLED-ASC	Binoc.	WF10x	4	DIN 4x, 10x, 40xR, 100xR	CX	Mech	1.25 Abbe	LED	800-001	\$ 795.00	2/39 lbs	33 lbs	D

STEREO CORDLESS LED MICROSCOPES WITH RECHARGEABLE BATTERIES (recharger included)

These models feature LED illumination powered by three rechargeable AA Nickel Metal Hydride batteries (included). LED brightness equal to 20 watt tungsten bulb, rated 50,000 hours life. Each battery set can be recharged up to 500 times, with 40-50 hours use from each recharge, for total life up to 20-25,000 hours for each set of batteries. Battery recharger included with each microscope.

Model No.	Head	Eyepiece(s)	Stand	Objectives	Illumination	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
452TBL-10-LED	Inclined	WF10X	Fixed	1x & 3x (10x & 30x mag.)	Top (LED)	800-452	\$ 285.00	4/44 lbs	21 lbs	D
453TBL-10-LED	Inclined	WF10X	Fixed	2x & 4x (20x & 40x mag.)	Bottom (LED)	800-453	\$ 285.00	4/44 lbs	21 lbs	D
ACCESSORIES & PARTS FOR CORDLESS LED W/RECHARGEABLE BATTERIES										
		800-001		Replacement LED light (compound microscopes only)			\$ 13.00			
		800-452		Replacement top LED bulb assembly (for 452/453 models only)			\$ 21.00			
		800-453		Replacement bottom LED bulb (for 452/453 models only)			\$ 11.00			
		802-003		Auto cut-off recharger for rechargeable LED microscopes			\$ 36.00			D
		975-001		Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions: 14-7/8 x 7-3/4 x 10-1/2 inches. Fits all models above, except 215-RLED Series			\$ 129.00			
		975-002		Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions: 17-1/4 x 8 x 11-3/4 inches. For 215-RLED Series only			\$ 139.00			
Note: AA Nickel Metal Hydride batteries are commonly available at any grocery, drug or hardware store.										
Replacement lenses for above compound microscopes can be found on page 3.										

Model No.	Head	Eyepiece(s)	Stand Type	Objectives	Illumination	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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405 SERIES STEREO MICROSCOPES - INCLINED HEAD - FIXED MAGNIFICATION

405TBL-10-2	Inclined	WF10x	Post	2x (20x mag.)	Top/Bottom	800-400	\$ 205.00	4/44 lbs	21 lbs	NA
405TBL-10-3	Inclined	WF10x	Post	3x (30x mag.)	Top/Bottom	800-400	\$ 205.00	4/44 lbs	21 lbs	NA
ACCESSORIES & PARTS FOR 405 SERIES										
600-400				Eyepiece shields, rubber, pair			\$ 10.00			
800-400				Replacement bulb, 12v, 10 watt, tubular			\$ 9.00			
801-100				Replacement fuse, 1.0 amp			\$ 6.00			
940-400				Frosted glass stage plate, 95mm (fits 400, 405, 406, 407, 408 series prior to 9/97)			\$ 27.00			
940-410				Frosted glass stage plate, 80mm (fits all stereo models after 9/97)			\$ 22.00			
941-400				Black/white plastic contrast plate, 95mm (fits 400, 405, 406 series prior to 9/97)			\$ 27.00			
941-410				Black/white plastic contrast plate, 80mm (fits all stereo models after 9/97)			\$ 13.00			
941-460B				Add-on substage LED illuminator for cordless operation. LED element equal to			\$ 17.00			
941-460W				White plastic contrast plate, 80mm (405 Series purchased after 1/1/10)			\$ 17.00			
951				Dustcover, large 16" tall x 13", heavy vinyl with stitched seams			\$ 8.00			
970-400				Stage clip for stereo microscope, 75mm from post, each			\$ 8.00			

410 / 416 SERIES STEREO MICROSCOPES - INCLINED HEAD - DUAL MAGNIFICATION

410TBL-10	Inclined	WF10x	Fixed Arm	1x & 3x(10x & 30x)	Top (Tung) Bottom(Tung)	800-411 800-101	\$ 349.00	4/51 lbs	21 lbs	NA
410TBL-15	Inclined	WF15x	Fixed Arm	1x & 3x(15x & 45x)	Top (Tung) Bottom(Tung)	800-411 800-101	\$ 349.00	4/51 lbs	21 lbs	NA
411TBL-10	Inclined	WF10x	Fixed Arm	2x & 4x(20x & 40x)	Top (Tung) Bottom(Tung)	800-411 800-101	\$ 349.00	4/51 lbs	21 lbs	NA
411TBL-15	Inclined	WF15x	Fixed Arm	2x & 4x(30x & 60x)	Top (Tung) Bottom(Tung)	800-411 800-101	\$ 349.00	4/51 lbs	21 lbs	NA
416TBL-10	Inclined	WF10x	Fixed Arm	1x & 3x (10x & 30x mag.)	Top (Fluor) Bottom(Fluor)	800-138 800-138	\$ 395.00	2/39 lbs	33 lbs	NA
416TBL-15	Inclined	WF15x	Fixed Arm	1x & 3x (15x & 45x mag.)	Top (Fluor) Bottom(Fluor)	800-138 800-138	\$ 395.00	2/39 lbs	33 lbs	NA
417TBL-10	Inclined	WF10x	Fixed Arm	2x & 4x (20x & 40x mag.)	Top (Fluor) Bottom(Fluor)	800-138 800-138	\$ 395.00	2/39 lbs	33 lbs	NA
417TBL-15	Inclined	WF15x	Fixed Arm	2x & 4x (30x & 60x mag.)	Top (Fluor) Bottom(Fluor)	800-138 800-138	\$ 395.00	2/39 lbs	33 lbs	NA
ACCESSORIES & PARTS FOR 410 / 416 SERIES										
498-410-10				Stereo body only, 1x-3x, w/WF10x eyepieces, no focusing block			\$ 225.00			
498-411-10				Stereo body only, 2x-4x, w/WF10x eyepieces, no focusing block			\$ 225.00			
499-410				Stand w/focusing block, fixed arm, dual illumination (410 Series only)			\$ 155.00			NA
499-416				Stand w/focusing block, fixed arm, dual illum., top & bottom #800-138 5 watt fluor. (416 Series only)			\$ 225.00			NA
600-400				Eyepiece shields, rubber, pair			\$ 10.00			
605-400				WF5x eyepieces, paired (will not accept reticle) (Note: WF5x E.P. permit only 60mm-84mm I.P.D.)			\$ 109.00			
610-400				WF10x eyepieces, paired (accepts 23mm reticle)			\$ 109.00			
610-400EA				WF10x eyepiece, each (accepts 23mm reticle)			\$ 65.00			
610-400R-10				WF10x eyepiece w/reticle, 10mm/100 div., each			\$ 110.00			
615-400				WF15x eyepieces, paired (will not accept reticle)			\$ 109.00			
620-400				WF20x eyepieces, paired (will not accept reticle)			\$ 109.00			
800-101				Replacement bulb, 115v 15 watt, D.C. med. bayonet base			\$ 6.00			
800-138				Replacement bulb for top & bottom light, 5 watt fluorescent (for 110v or 220v)			\$ 11.00			
800-411				Replacement bulb, 12v 10 watt, D.C. med. bayonet base			\$ 9.00			
801-100				Replacement fuse for 110v version, 1.0 amp			\$ 6.00			
923-409				Blue filter, frosted, 35.6mm			\$ 13.00			
940-410				Frosted glass stage plate, 80mm			\$ 22.00			
941-410				Black/white plastic contrast plate, 80mm			\$ 13.00			
952				Dustcover, large, 18" tall x 16", heavy vinyl w/stitched seams			\$ 8.50			
965-400-10				Eyepiece reticle, 10mm/100 Div., 23mm diameter (for WF10x eyepieces only)			\$ 45.00			
970-400				Stage clip for stereo microscope, 75mm from post, each			\$ 8.00			
975-001				Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions:14-7/8 x 7-3/4 x 10-1/2 inches. Note: Only "TBL" models above fit this case.			\$ 129.00			

Model No.	Head	Eyepiece(s)	Stand Type	Objectives	Illumination	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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420 / 420T SERIES STEREO ZOOM MICROSCOPES

Note: All 420T series models now include both 930-420 SLR adapter and 930-421 video adapter.

420-430PHF-10	Inclined	WF10x	Post	1x to 4x Zoom (10x thru 40x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 669.00	2/39 lbs	33 lbs	A	
420-430PHF-15	Inclined	WF15x	Post	1x to 4x Zoom (15x thru 60x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 669.00	2/39 lbs	33 lbs	A	
420-420AHF-10	Inclined	WF10x	Fixed Arm	1x to 4x Zoom (10x thru 40x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 669.00	2/39 lbs	33 lbs	NA	
420-420AHF-15	Inclined	WF15x	Fixed Arm	1x to 4x Zoom (15x thru 60x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 669.00	2/39 lbs	33 lbs	NA	
420-1105-10	Inclined	WF10x	Univ. Stand	1x to 4x Zoom (10x thru 40x mag.)	None		\$ 865.00	1	76 lbs		
420-1105-15	Inclined	WF15x	Univ. Stand	1x to 4x Zoom (15x thru 60x mag.)	None		\$ 865.00	1	76 lbs		
420-1107-10	Inclined	WF10x	Post	1x to 4x Zoom (10x thru 40x mag.)	None		\$ 665.00	1	21 lbs		
420-1107-15	Inclined	WF15x	Post	1x to 4x Zoom (15x thru 60x mag.)	None		\$ 665.00	1	21 lbs		
420T-430PHF-10	Trinoc.	WF10x	Post	1x to 4x Zoom (10x thru 40x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 775.00	2/39 lbs	33 lbs	A	
420T-430PHF-15	Trinoc.	WF15x	Post	1x to 4x Zoom (15x thru 60x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 775.00	2/39 lbs	33 lbs	A	
420T-420AHF-10	Trinoc.	WF10x	Fixed Arm	1x to 4x Zoom (10x thru 40x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 775.00	2/39 lbs	33 lbs	NA	
420T-420AHF-15	Trinoc.	WF15x	Fixed Arm	1x to 4x Zoom (15x thru 60x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 775.00	2/39 lbs	33 lbs	NA	
420T-1105-10	Trinoc.	WF10x	Univ. Stand	1x to 4x Zoom (10x thru 40x mag.)	None		\$ 965.00	1	76 lbs		
420T-1105-15	Trinoc.	WF15x	Univ. Stand	1x to 4x Zoom (15x thru 60x mag.)	None		\$ 965.00	1	76 lbs		
420T-1107-10	Trinoc.	WF10x	Post	1x to 4x Zoom (10x thru 40x mag.)	None		\$ 765.00	1	36 lbs		
420T-1107-15	Trinoc.	WF15x	Post	1x to 4x Zoom (15x thru 60x mag.)	None		\$ 765.00	1	36 lbs		
ACCESSORIES & PARTS FOR 420/420T SERIES											
498-420-10	Stereo body only, 10x-40x, w/WF10x eyepieces, no focusing block						\$ 459.00				
498-420T-10	Trinocular stereo body only, 10x-40x, w/WF10x eyepieces, no focusing block						\$ 565.00				
499-000	Focusing block (fits 25mm mounting post)						\$ 99.00				
499-420AHF	Stand w/focusing block, fixed arm, dual illum., top #800-422 12v 15 watt halogen bi-pin, bottom #800-138 5 watt fluorescent						\$ 225.00				NA
499-430PHF	Stand w/focusing block, post mount, dual illum., top #800-422 12v 15 watt halogen bi-pin, bottom #800-138 5 watt fluorescent						\$ 225.00				A
499-1105	Universal boom stand, without focusing block, no illum.						\$ 345.00	1		66 lbs	
499-1107	Platform stand, without focusing block, 240mm x 280mm, no illum.						\$ 129.00	4/28 lbs		21 lbs	
600-400	Eyepiece shields, rubber, pair						\$ 10.00				
605-400	WF5x eyepieces, paired (will not accept reticle) (Note: WF5x E.P. permit only 60mm-84mm I.P.D.)						\$ 109.00				
610-400	WF10x eyepieces, paired (accepts 23mm reticle)						\$ 109.00				
610-400EA	WF10x eyepiece, each (accepts 23mm reticle)						\$ 65.00				
610-400R-10	WF10x eyepiece w/reticle, 10mm/100 div., each						\$ 110.00				
615-400	WF15x eyepieces, paired (will not accept reticle)						\$ 109.00				
620-400	WF20x eyepieces, paired (will not accept reticle)						\$ 109.00				
705-420	0.5x auxiliary objective lens; reduces magnification by 50%, increases working distance from 75mm to 131mm, doubles field diameter						\$ 130.00				
775-420	0.75x auxiliary objective lens; reduces magnification by 25%, increases working distance from 75mm to 91mm, increases field diameter by 25%						\$ 130.00				
715-420	1.5x auxiliary objective lens; increases magnification by 50%, reduces working distance from 75mm to 33mm, reduces field diameter by 35%						\$ 130.00				
800-138	Replacement bulb for bottom light, 110v 5 watt fluorescent						\$ 11.00				
800-170	Replacement bulb for bottom light, 12v 10 watt halogen, bi-pin						\$ 13.00				
800-421	Replacement bulb for top 12v 10 watt tungsten mini S.C. bayonet (for older models)						\$ 37.00				
800-422	Replacement bulb for top, 12v 15 watt halogen, bi-pin						\$ 15.00				
800-907	Replacement fluorescent ring light tube 110v, 12w (for 907 purchased 2012 & before)						\$ 23.00				NA
801-050	Replacement fuse for 220v version, 0.5 amp						\$ 6.00				
801-100	Replacement fuse for 110v version, 1.0 amp						\$ 6.00				
908-LED	Ring light illumination, LED (requires #931-420)						\$ 129.00				NA
continued on next page											

Model No.	Head	Eyepiece(s)	Stand Type	Objectives	Illumination	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
ACCESSORIES & PARTS FOR 420/420T SERIES (con't)										
		923-409		Blue Filter, frosted, 35.6mm O.D.			\$ 13.00			
		930-420		SLR photo adaptor with 2.0x photo lens (T-mount not included) (420T only)			\$ 126.00			
		930-421		Video "C" mount with 0.4x lens (420T Series only)			\$ 85.00			
		930-422		Video "C" mount with 0.5x lens (for 1/2" sensor) (420T Series only)			\$ 85.00			
		931-420		Ring light adapter ring, 54.5mm O.D., 18mm extension			\$ 21.00			
		940-410		Frosted glass stage plate, 80mm			\$ 22.00			
		941-410		Black/white plastic contrast plate, 80mm			\$ 13.00			
		942		Darkfield kit (fits all National stereo models after 9/97)			\$ 125.00			
		943		Specimen holder (tweezer) (fits in place of stage clip on all stereo models)			\$ 69.00			
		952		Dustcover, 18" tall x 16", heavy vinyl with stitched seams			\$ 8.50			
		965-400-10		Eyepiece reticle, 10mm/100 Div., 23mm diameter (for WF10x eyepieces only)			\$ 45.00			
		970-400		Stage clip for stereo microscope, 75mm from post, each			\$ 8.00			
		975-001		Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions:14-7/8 x 7-3/4 x 10-1/2 inches. Note:Fits all in series except -1105 & -1107. No case available for these models.			\$ 129.00			

425 / 425T SERIES STEREO ZOOM MICROSCOPES

425-445PLL-10	Inclined	WF10x	Post	0.75x to 5x Zoom (7.5x thru 50x mag.)	Top (LED) Bottom(LED)	800-426 800-425	\$ 1075.00	1	47 lbs	E
425T-445PLL-10	Trinoc.	WF10x	Post	0.75x to 5x Zoom (7.5x thru 50x mag.)	Top (LED) Bottom(LED)	800-426 800-425	\$ 1145.00	1	47 lbs	E
ACCESSORIES & PARTS FOR 425 / 425T SERIES										
		498-425-10		Stereo body only, 7.5x-50x mag., w/WF10x eyepieces, no focusing block			\$ 795.00			
		498-425T-10		Trinocular stereo body only, 7.5x-50x mag., w/WF10x eyepieces, no focusing block			\$ 895.00			
		499-445PLL		Stand w/focusing block, post mount, dual illum., top #800-426 LED, bottom #800-425 LED			\$ 295.00			E
		600-425		Eyepiece shields, rubber, pair			\$ 10.00			
		610-425R-14		WF10x eyepiece w/reticle, 14mm/140 Div., each			\$ 169.00			
		720-425		2.0x auxiliary objective lens; increases magnification by 100%			\$ 150.00			
		800-425		Replacement LED bulb assembly for bottom light			\$ 36.00			
		800-426		Replacement LED bulb assembly for top light			\$ 38.00			
		908-LED		Ring light illumination, LED (requires #931-425)			\$ 129.00			NA
		930-426		Video adapter w/0.45x lens for 425T only			\$ 137.00			
		931-425		Ring light adapter ring			\$ 21.00			
		940-425		Frosted glass stage plate, 95mm			\$ 27.00			
		952		Dustcover, large 18" tall x 16", heavy vinyl with stitched seams			\$ 8.50			
		970-400		Stage clip for stereo microscope, 75mm from post, each			\$ 8.00			

Model No.	Head	Eyepiece(s)	Stand Type	Objectives	Illumination	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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430 SERIES STEREO MICROSCOPES - INCLINED HEAD - DUAL MAGNIFICATION

430-430PHF-10	Inclined	WF10x	Post	1x & 3x (10x & 30x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 425.00	2/39 lbs	33 lbs	A	
430-430PHF-15	Inclined	WF15x	Post	1x & 3x (15x & 45x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 425.00	2/39 lbs	33 lbs	A	
431-430PHF-10	Inclined	WF10x	Post	2x & 4x (20x & 40x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 425.00	2/39 lbs	33 lbs	A	
431-430PHF-15	Inclined	WF15x	Post	2x & 4x (30x & 60x mag.)	Top (Halo) Bottom(Fluor)	800-422 800-138	\$ 425.00	2/39 lbs	33 lbs	A	
ACCESSORIES & PARTS FOR 430 SERIES											
498-410-10	Stereo body only, 1x-3x, w/WF10x eyepieces, no focusing block						\$ 225.00				
498-411-10	Stereo body only, 2x-4x, w/WF10x eyepieces, no focusing block						\$ 225.00				
499-430PHF	Stand w/focusing block, post mount, dual illum., top #800-422 12v 15 watt halogen bi-pin, bottom #800-138 5 watt fluorescent						\$ 225.00				A
600-400	Eyepiece shields, rubber, pair						\$ 10.00				
605-400	WF5x eyepieces, paired (will not accept reticle) (Note: WF5x E.P. permit only 60mm-84mm I.P.D.)						\$ 109.00				
610-400	WF10x eyepieces, paired (accepts 23mm reticle)						\$ 109.00				
610-400EA	WF10x eyepiece, each (accepts 23mm reticle)						\$ 65.00				
610-400R-10	WF10x eyepiece w/reticle, 10mm/100 div., each						\$ 110.00				
615-400	WF15x eyepieces, paired (will not accept reticle)						\$ 109.00				
620-400	WF20x eyepieces, paired (will not accept reticle)						\$ 109.00				
800-138	Replacement bulb for bottom light, 110v 5 watt fluorescent						\$ 11.00				
800-421	Replacement bulb for top 12v 10 watt tungsten mini S.C. bayonet (for older models)						\$ 37.00				
800-422	Replacement bulb for top, 12v 15 watt halogen, bi-pin						\$ 15.00				
800-907	Replacement fluorescent ring light tube 110v, 12w (for 907 purchased 2012 & before)						\$ 23.00				NA
801-100	Replacement fuse for 110v version, 1.0 amp						\$ 6.00				
801-160	Replacement fuse for 220v version, 0.5 amp time delay						\$ 7.00				
908-LED	Ring light illumination, LED						\$ 129.00				NA
923-409	Blue filter, frosted, 35.6mm O.D.						\$ 13.00				
940-410	Frosted glass stage plate, 80mm (fits all stereo models after 9/97)						\$ 22.00				
941-410	Black/white plastic contrast plate, 80mm (fits all stereo models after 9/97)						\$ 13.00				
952	Dustcover, large 18" tall x 16", heavy vinyl with stitched seams						\$ 8.50				
965-400-10	Eyepiece reticle, 10mm/100 Div., 23mm diameter (for WF10x eyepieces only)						\$ 45.00				
970-400	Stage clip for stereo microscope, 75mm from post, each						\$ 8.00				
975-001	Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions:14-7/8 x 7-3/4 x 10-1/2 inches.						\$ 129.00				

446 SERIES STEREO MICROSCOPES - INCLINED HEAD - DUAL MAGNIFICATION

446TBL-10	Inclined	WF10x	Post	1x & 3x(10x & 30x)	Top/Bottom	800-400	\$ 275.00	4/44 lbs	21 lbs	NA	
446TBL-15	Inclined	WF15x	Post	1x & 3x(15x & 45x)	Top/Bottom	800-400	\$ 280.00	4/44 lbs	21 lbs	NA	
447TBL-10	Inclined	WF10x	Post	2x & 4x(20x & 40x)	Top/Bottom	800-400	\$ 275.00	4/44 lbs	21 lbs	NA	
447TBL-15	Inclined	WF15x	Post	2x & 4x(30x & 60x)	Top/Bottom	800-400	\$ 280.00	4/44 lbs	21 lbs	NA	
ACCESSORIES & PARTS FOR 446 SERIES											
600-400	Eyepiece shields, rubber, pair						\$ 10.00				
605-400	WF5x eyepieces, paired (will not accept reticle) (Note: WF5x E.P. permit only 60mm-84mm I.P.D.)						\$ 109.00				
610-400	WF10x eyepieces, paired (accepts 23mm reticle)						\$ 109.00				
610-400EA	WF10x eyepiece, each (accepts 23mm reticle)						\$ 65.00				
610-400R-10	WF10x eyepiece w/reticle, 10mm/100 div., each						\$ 110.00				
615-400	WF15x eyepieces, paired (will not accept reticle)						\$ 109.00				
620-400	WF20x eyepieces, paired (will not accept reticle)						\$ 109.00				
800-400	Replacement bulb, 12v, 10 watt, tubular						\$ 9.00				
801-100	Replacement fuse for 110v version, 1.0 amp						\$ 6.00				
940-410	Frosted glass stage plate, 80mm						\$ 22.00				
941-410	Black/white plastic contrast plate, 80mm						\$ 13.00				
951	Dustcover, large 16" tall x 13", heavy vinyl with stitched seams						\$ 8.00				
965-400-10	Eyepiece reticle, 10mm/100 Div., 23mm diameter (for WF10x eyepieces only)						\$ 45.00				
970-400	Stage clip for stereo microscope, 75mm from post, each						\$ 8.00				
975-001	Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions:14-7/8 x 7-3/4 x 10-1/2 inches.						\$ 129.00				

Model No.	Head	Eyepiece(s)	Stand Type	Objectives	Illumination	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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450 SERIES STEREO MICROSCOPES - INCLINED FIXED HEAD - DUAL MAGNIFICATION

452TBL-10	Inclined	WF10x	Fixed Arm	1x & 3x(10x & 30x)	Top/Bottom	800-400	\$ 259.00	4/44 lbs	21 lbs	NA	
452TBL-15	Inclined	WF15x	Fixed Arm	1x & 3x(15x & 45x)	Top/Bottom	800-400	\$ 264.00	4/44 lbs	21 lbs	NA	
453TBL-10	Inclined	WF10x	Fixed Arm	2x & 4x(20x & 40x)	Top/Bottom	800-400	\$ 259.00	4/44 lbs	21 lbs	NA	
453TBL-15	Inclined	WF15x	Fixed Arm	2x & 4x(30x & 60x)	Top/Bottom	800-400	\$ 264.00	4/44 lbs	21 lbs	NA	
452TBL-10-LED	Inclined	WF10x	Fixed Arm	1x & 3x(10x & 30x)	Top (LED) Bottom (LED)	800-452 800-453	\$ 285.00	4/44 lbs	21 lbs	D	
452TBL-15-LED	Inclined	WF15x	Fixed Arm	1x & 3x(15x & 45x)	Top (LED) Bottom (LED)	800-452 800-453	\$ 290.00	4/44 lbs	21 lbs	D	
453TBL-10-LED	Inclined	WF10x	Fixed Arm	2x & 4x(20x & 40x)	Top (LED) Bottom (LED)	800-452 800-453	\$ 285.00	4/44 lbs	21 lbs	D	
453TBL-15-LED	Inclined	WF15x	Fixed Arm	2x & 4x(30x & 60x)	Top (LED) Bottom (LED)	800-452 800-453	\$ 290.00	4/44 lbs	21 lbs	D	
ACCESSORIES & PARTS FOR 450 SERIES											
600-400	Eyepiece shields, rubber, pair						\$ 10.00				
605-400	WF5x eyepieces, paired (will not accept reticle) (Note: WF5x E.P. permit only 60mm-84mm I.P.D.)						\$ 109.00				
610-400	WF10x eyepieces, paired (accepts 23mm reticle)						\$ 109.00				
610-400EA	WF10x eyepiece, each (accepts 23mm reticle)						\$ 65.00				
610-400R-10	WF10x eyepiece w/reticle, 10mm/100 div., each						\$ 110.00				
615-400	WF15x eyepieces, paired (will not accept reticle)						\$ 109.00				
620-400	WF20x eyepieces, paired (will not accept reticle)						\$ 109.00				
800-400	Replacement bulb, 12v, 10 watt, tubular (for non-LED models only)						\$ 9.00				
800-452	Replacement top LED bulb assembly (for LED models only)						\$ 21.00				
800-453	Replacement bottom LED bulb (for LED models only)						\$ 11.00				
801-100	Replacement fuse for 110v version, 1.0 amp (non-LED models only)						\$ 6.00				
802-003	Auto cut-off recharger for rechargeable LED microscopes						\$ 36.00				
941-460B	Black plastic stage plate, 80mm						\$ 17.00				
941-460W	White plastic stage plate, 80mm						\$ 17.00				
951	Dustcover, large 16" tall x 13", heavy vinyl with stitched seams						\$ 8.00				
965-400-10	Eyepiece reticle, 10mm/100 Div., 23mm diameter (for WF10x eyepieces only)						\$ 45.00				
970-400	Stage clip for stereo microscope, 75mm from post, each						\$ 8.00				
975-001	Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions:14-7/8 x 7-3/4 x 10-1/2 inches.						\$ 129.00				

460 SERIES STEREO ZOOM MICROSCOPES - INCLINED HEAD - 10X THRU 30X ZOOM

460TBL-10	Inclined	WF10x	Fixed Arm	1x to 3x Zoom (10x thru 30x mag.)	Top (Halo) Bottom(Fluor)	800-424 800-138	\$ 525.00	2/34 lbs	21 lbs	NA	
460TBL-15	Inclined	WF15x	Fixed Arm	1x to 3x Zoom (15x thru 45x mag.)	Top (Halo) Bottom(Fluor)	800-424 800-138	\$ 525.00	2/34 lbs	21 lbs	NA	
ACCESSORIES & PARTS FOR 460 SERIES											
600-400	Eyepiece shields, rubber, pair						\$ 10.00				
605-400	WF5x eyepieces, paired (will not accept reticle) (Note: WF5x E.P. permit only 60mm-84mm I.P.D.)						\$ 109.00				
610-400	WF10x eyepieces, paired (accepts 23mm reticle)						\$ 109.00				
610-400EA	WF10x eyepiece, each (accepts 23mm reticle)						\$ 65.00				
610-400R-10	WF10x eyepiece w/reticle, 10mm/100 div., each						\$ 110.00				
615-400	WF15x eyepieces, paired (will not accept reticle)						\$ 109.00				
620-400	WF20x eyepieces, paired (will not accept reticle)						\$ 109.00				
800-138	Replacement bulb for bottom light, 115v 5 watt fluorescent						\$ 11.00				
800-424	Replacement bulb for top light, 12v 10 watt halogen w/reflector						\$ 11.00				
940-460	Transparent plastic stage plate, 80mm						\$ 17.00				
941-460B	Black plastic stage plate, 80mm						\$ 17.00				
941-460W	White plastic stage plate, 80mm						\$ 17.00				
952	Dustcover, large 18" tall x 16", heavy vinyl with stitched seams						\$ 8.50				
965-400-10	Eyepiece reticle, 10mm/100 Div., 23mm diameter (for WF10x eyepieces only)						\$ 45.00				

Model No.	Description	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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DC SERIES MICROSCOPES WITH BUILT-IN DIGITAL CAMERAS

See website, www.nationaloptical.com, for complete specifications. Prices include microscope with built-in digital camera, software CD for Windows 7 or above & MAC OSX and all cables required for operation.

DC-128	Compound microscope, 4x, 10x, 40xR, & 100XR objectives, separate coarse & fine focus, 3.0 MP, cordless LED illumination, digital signal only.	800-001	\$ 595.00	2/49 lbs	33 lbs	E
DC4-211	Compound microscope, 4x, 10x, 40xR objectives, separate coarse & fine focus, 3.0MP, LED illumination, 1.25 N.A. Abbe condenser, digital signal only.	800-001	\$ 949.00	2/42 lbs	33 lbs	E
DC4-212	Compound microscope, 4x, 10x, 40xR, 100xR objectives, separate coarse & fine focus, 3.0MP, LED illumination, 1.25 N.A. Abbe condenser, digital signal only.	800-001	\$ 999.00	2/42 lbs	33 lbs	E
DC5-169-SP	Compound microscope, Semi-Plan 4x, 10x, 40xR, 100xR objectives, coaxial coarse & fine focus, 3.0 MP, LED illumination, 1.25 N.A. Abbe condenser, digital signal only.	800-500	\$ 1749.00	1	33 lbs	E
DC5-169-ASC	Compound microscope for cordless operation. LED element equal to focus, 3.0 MP, LED illum., 1.25 N.A. Abbe condenser, digital signal only.	800-500	\$ 1835.00	1	33 lbs	E
DC5-169-P	Compound microscope, Plan 4x, 10x, 40xR, 100xR objectives, coaxial coarse & fine focus, 3.0 MP, LED illum, 1.25 N.A. Abbe condenser, digital signal only.	800-500	\$ 1999.00	1	33 lbs	E
DC5-169-PH	Compound microscope, Plan Phase 10x, 20x, 40xR, 100xR objectives, coaxial coarse & fine focus, Phase turret condenser w/one brightfield position, w/centering telescope, 3.0 MP, LED illum, 1.25 N.A. Phase condenser, digital signal only.	800-500	\$ 2925.00	1	38 lbs	E
DC4-456H	Stereo microscope, 10x & 30x magnification, 3.0 MP, digital signal only. Top illum. 12v 10 watt halogen, bottom illum. 12v 10 watt tungsten.	800-423(T) 800-400(B)	\$ 795.00	4/62 lbs	21 lbs	E
DC5-420TH	Stereo zoom microscope, 10x-40x magnification, digital signal only, 3.0 MP. Top illumination 12v 15 watt halogen, bottom illum. 12v 10 watt halogen.	800-422(T) 800-170(B)	\$ 1549.00	1	26 lbs	E
ACCESSORIES & PARTS FOR DC SERIES						
800-001	Replacement LED light.		\$ 13.00			
800-170	Replacement bulb, 12v 10 watt halogen, bi-pin		\$ 13.00			
800-400	Replacement bulb, 12v, 10 watt tungsten		\$ 9.00			
800-422	Replacement bulb, 12v 15 watt halogen bi-pin		\$ 15.00			
800-423	Replacement bulb, 12v 10 watt halogen bi-pin, front filament		\$ 9.00			
800-500	Replacement bulb, 3 watt LED		\$ 36.00			
802-003	Auto cut-off recharger for rechargeable LED microscopes (DC-128 only)		\$ 36.00			D
975-001	Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions: 14-7/8 x 7-3/4 x 10-1/2 inches. For DC4-456H.		\$ 129.00			
975-002	Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions: 17-1/4 x 8 x 11-3/4 inches. For all models.		\$ 139.00			
D-971-003	Replacement calibration slide, designed for Motic imaging software		\$ 58.00			
D-905	Power supply, auto-switching (100-240v 47-63 Hz in, 12v out) w/power cord		\$ 83.00			E
*All digital microscopes supplied with power pack that automatically switches input of 100-240Vac 50-60Hz to DC voltage output. UL and CE listed.						

Model No.	Description	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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BTW SERIES MICROSCOPES WITH INCLUDED MOTICAM BTW8 (8" TABLET)

See website, www.nationaloptical.com, for complete specifications. Prices include microscope with included Moticam BTW8, software CD for Windows 7 or above & MAC OSX and all cables required for operation.

BTW1-205-RLED	Monocular compound microscope w/included Moticam BTW8, 4x, 10x, 40xR objectives, cordless rechargeable LED illumination, 4GB Micro SD Card	800-001	\$ 739.00	1	18 lbs	D
BTW1-213-RLED	Monocular compound microscope w/included Moticam BTW8, 4x, 10x, 40xR objectives, coaxial focusing, cordless rechargeable LED illumination, 4GB Micro SD card	800-001	\$ 899.00	1	28 lbs	D
BTW1-214-RLED	Monocular compound microscope w/included Moticam BTW8, 4x, 10x, 40xR, 100xR objectives, coaxial focusing, cordless rechargeable LED illumination, 4GB Micro SD card	800-001	\$ 965.00	1	28 lbs	D
BTW1-169-SP	Trinocular compound microscope w/included Moticam BTW8, 4x, 10x, 40xR, 100xR Semi-Plan objectives, coaxial focusing, LED illumination, 4GB Micro SD card	800-500	\$ 1699.00	1	54 lbs	E
BTW1-169-ASC	Trinocular compound microscope w/included Moticam BTW8, 4x, 10x, 40xR, 100xR ASC objectives, coaxial focusing, LED illumination, 4GB Micro SD card	800-500	\$ 1785.00	1	54 lbs	E
BTW1-169-P	Trinocular compound microscope w/included Moticam BTW8, 4x, 10x, 40xR, 100xR Plan objectives, coaxial focusing, LED illumination, 4GB Micro SD card	800-500	\$ 1955.00	1	54 lbs	E
BTW1-169-PH	Trinocular compound microscope w/included Moticam BTW8, 4x, 10x, 40xR, 100xR Phase objectives, coaxial focusing, LED illumination, 4GB Micro SD card	800-500	\$ 2869.00	1	54 lbs	E
BTW1-420TH	Trinocular stereo zoom microscope w/included Moticam BTW8, 10x-40x mag, 12v 15w halogen (top), 12v 10w halogen (bottom) illumination, 4GB Micro SD card	800-422(T) 800-170(B)	\$ 1395.00	1	50 lbs	A
BTW1-425T	Trinocular stereo zoom microscope w/included Moticam BTW8, 7.5x-50x mag, dual LED illumination, 4GB Micro SD card	800-426(T) 800-425(B)	\$ 1695.00	1	47 lbs	E
ACCESSORIES & PARTS FOR BTW SERIES						
800-001	Replacement LED light		\$ 13.00			
800-170	Replacement bulb, 12v 10 watt halogen, bi-pin		\$ 13.00			
800-422	Replacement bulb, 12v 15 watt halogen bi-pin		\$ 15.00			
800-425	Replacement LED bulb assembly for bottom light		\$ 36.00			
800-426	Replacement LED bulb assembly for top light		\$ 38.00			
800-500	Replacement bulb, 3 watt LED		\$ 36.00			
802-003	Auto cut-off recharger for rechargeable LED microscopes		\$ 36.00			D
D-905	Power supply, auto-switching (100-240v 47-63 Hz in, 12v out) w/power cord		\$ 83.00			
D-972-001	Micro SD Card, 4GB (for DCS & BTW Series only)		\$ 20.00			
D-971-003	Replacement calibration slide, designed for Motic imaging software		\$ 58.00			

DC20 SERIES MICROSCOPES WITH INCLUDED MOTICAM 1080* (includes camera & cables only)

See website, www.nationaloptical.com, for complete specifications. Prices include microscope with included camera and all cables required for operation.

DC20-169-SP	Trinocular compound microscope w/included Moticam 1080 camera & cables, 4x, 10x, 40xR, 100xR Semi-Plan objectives, coaxial focusing, LED illumination	800-500	\$ 1999.00	1	33 lbs	E
DC20-169-ASC	Trinocular compound microscope w/included Moticam 1080 camera & cables, 4x, 10x, 40xR, 100xR Super High Contrast objectives, coaxial focusing, LED illumination	800-500	\$ 2085.00	1	33 lbs	E
DC20-169-P	Trinocular compound microscope w/included Moticam 1080 camera & cables, 4x, 10x, 40xR, 100xR Plan objectives, coaxial focusing, LED illumination	800-500	\$ 2255.00	1	33 lbs	E
DC20-169-PH	Trinocular compound microscope w/included Moticam 1080 camera & cables, 4x, 10x, 40xR, 100xR Phase Plan objectives, coaxial focusing, LED illumination	800-500	\$ 3175.00	1	38 lbs	E
DC20-420TH	Trinocular stereo zoom microscope w/included Moticam 1080 camera & cables, 10x-40x mag., 12v 15w halogen (top), 12v 10w halogen (bottom) illumination	800-422(T) 800-170(B)	\$ 1649.00	1	33 lbs	A
ACCESSORIES & PARTS FOR DC20 SERIES						
800-170	Replacement bulb, 12v 10 watt halogen, bi-pin		\$ 13.00			
800-422	Replacement bulb, 12v 15 watt halogen bi-pin		\$ 15.00			
800-500	Replacement bulb, 3 watt LED		\$ 36.00			
D-905	Power supply, auto-switching (100-240v 47-63 Hz in, 12v out) w/power cord		\$ 83.00			
D-971-003	Replacement calibration slide, designed for Motic imaging software		\$ 58.00			

Model No.	Description	Replacement Bulb	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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DCX SERIES MICROSCOPES WITH BUILT-IN WI-FI CAMERAS

See website, www.nationaloptical.com, for complete specifications. Prices include microscope with built-in digital camera, software CD for Windows 7 or above & MAC OSX and all cables required for operation.

DCX-205-RLED	Monocular compound microscope w/built-in digital Wi-Fi camera, 4x, 10x, 40xR objectives, cordless rechargeable LED illumination for microscope only.	800-001	\$ 509.00	1	11 lbs	E
DCX-213-RLED	Monocular compound microscope w/built-in digital Wi-Fi camera, 4x, 10x, 40xR objectives, coaxial focusing, cordless rechargeable LED illumination for microscope only.	800-001	\$ 815.00	2/33 lbs	28 lbs	E
DCX-214-RLED	Monocular compound microscope w/built-in digital Wi-Fi camera, 4x, 10x, 40xR, 100xR objectives, coaxial focusing, cordless rechargeable LED illumination for microscope only.	800-001	\$ 885.00	2/33 lbs	28 lbs	E
ACCESSORIES & PARTS FOR DCX SERIES						
800-001	Replacement LED light		\$ 13.00			
802-003	Auto cut-off recharger for rechargeable LED microscopes		\$ 36.00			D
975-001	Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions: 14-7/8 x 7-3/4 x 10-1/2 inches. For DCX-205.		\$ 129.00			
975-002	Carrying case, anodized aluminum, fabric lining, accessory pockets, Velcro straps, keyed lock. Interior dimensions: 17-1/4 x 8 x 11-3/4 inches. For DCX-213/214.		\$ 139.00			
D-971-003	Replacement calibration slide, designed for Motic imaging software		\$ 58.00			

CAMERAS (see website for minimum specifications)

D-MOTICAM 1080	HDMI Multi-functional digital HD camera with SD card slot. Live 1080, 2.0MP SD Card captured resolution, 1920x1080 USB computer connection, 12mm lens, 2 eyepiece adapters which fit most microscopes, calibration slide, Motic imaging software (see website for more specifications).		\$ 999.00	10/36 lbs	4 lbs	E
D-MOTICAM 2	Digital camera, with Motic imaging software. 2.0 MP chip, includes removable USB 2.0 cable. Also includes 2 eyepiece adapters which fit most microscopes, 12mm lens, macro viewing tube, calibration slide.		\$ 349.00	10/23 lbs	4 lbs	NA
D-MOTICAM 3+	Digital camera, with Motic imaging software. 3.0 MP chip, includes removable USB 3.0 cable. Also includes 2 eyepiece adapters which fit most microscopes, 16mm lens, macro viewing tube, calibration slide.		\$ 699.00	10/23 lbs	4 lbs	NA
D-MOTICAM 5+	Digital camera, with Motic imaging software. 5.0 MP chip, includes removable USB 3.0 cable. Also includes 2 eyepiece adapters which fit most microscopes, 12mm lens, macro viewing tube, calibration slide.		\$ 899.00	10/23 lbs	4 lbs	NA
D-MOTICAM 10+	Digital camera, with Motic imaging software. 10.0 MP chip, includes removable USB 3.0 cable. Also includes 2 eyepiece adapters which fit most microscopes, 12mm lens, macro viewing tube, calibration slide.		\$ 1099.00	10/23 lbs	4 lbs	NA
D-MOTICAM X	Digital Wi-Fi camera, with Motic imaging software. 1.3 MP WiFi, includes removable USB 2.0 cable. Also includes 2 eyepiece adapters which fit most microscopes, 12mm lens, macro viewing tube, calibration slide.		\$ 349.00	10/23 lbs	4 lbs	NA
D-MOTICAM X2	Digital Wi-Fi camera, with Motic imaging software. 1.3 MP WiFi, includes removable USB 2.0 cable, Lithium Ion battery, network port. Also includes 2 eyepiece adapters which fit most microscopes, 12mm lens, macro viewing tube, calibration slide.		\$ 449.00	10/28 lbs	4 lbs	NA
ACCESSORIES & PARTS FOR CAMERAS						
D-499-GNK	Gooseneck stand, for use with any digital or analog camera above except D-MOTICAM 580. Permits use of cameras for macro viewing of 3-dimensional objects, live material, dissecting.		\$ 75.00			
D-930-BAS	B & S Adapter for Moticam cameras		\$ 130.00			
D-971-003	Replacement calibration slide, designed for Motic imaging software		\$ 58.00			
D-971-004	Calibration plastic disk		\$ 6.00			
D-972-001	Micro SD Card, 4GB (for Moticam BTW8 & BTW10 only)		\$ 20.00			

Model No.	Description	Suggested Retail	Master Pack & Weight	Indiv. Ship Wgt	220v ?
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ECOLINE SERIES (see website for minimum specifications)

D-ELB	Binocular compound microscope, 4x, 10x, 40x, 100x obj., corded LED, coaxial, mechanical stage, 1.25 N.A. Abbe condenser	\$ 509.00	1	18 lbs	D
D-ELM	Monocular compound microscope, 4x, 10x, 40x, 100x obj., corded LED, coaxial, mechanical stage, 1.25 N.A. Abbe condenser	\$ 419.00	1	18 lbs	D
D-ELDB	Digital binocular compound microscope, 4x, 10x, 40x, 100x obj., corded LED, coaxial, mechanical stage 1.25 N.A. Abbe condenser, 3.0MP built-in camera w/software	\$ 689.00	1	18 lbs	D
D-ELS-1	Stereo microscope, Tri-Power 10x, 20x, & 40x mag., fixed arm, cordless rechargeable LED	\$ 275.00	2/29 lbs	18 lbs	D
D-ELS-4	Stereo microscope, Zoom 7x - 45x mag., fixed arm, cordless rechargeable LED	\$ 495.00	1	25 lbs	E

SOFTWARE (see website for minimum specifications)

D-CD2.0ML	Replacement CD for existing PC & Mac OSX users of National digital microscopes. For customers with previous versions, upgrades software to Motic Images version 2.0ML.	\$ 39.00	1	2 lbs	NA
D-CDMOTICTRACE	CD, Comparison Software - Forensic software designed to allow comparison of multiple live images on a single computer monitor.	\$ 129.50	1	2 lbs	NA

FORENSIC BUNDLES (see website for minimum specifications)

The Forensic Bundles are designed to bring the full power of comparison microscopy to your classroom at a budget friendly price. Bundles include equipment needed for comparative analysis of ballistics, handwriting samples and more. Packages include all adapters needed for most microscopes.

Forensics Bundle 4	Bundle configuration: 2 D-MOTICAM 2 + 1 D-CDMOTICTRACE	\$ 799.00	1	10 lbs	N/A
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WARRANTIES:

National has several warranties depending on the product. See product list below for type of warranty period and visit our website, www.nationaloptical.com, for warranty details under individual model number.

90-DAY LIMITED WARRANTY: Parts and software.

1-YEAR LIMITED WARRANTY: Digital/analog cameras (including built-in cameras on digital microscopes)

3-YEAR LIMITED WARRANTY: C Series, Ecoline Series

5-YEAR LIMITED WARRANTY: 100 Series, Model 205-RLED, 405 Series and 450 Series

LIFETIME LIMITED WARRANTY: 130 Series, 167 Series, 210 Series, 410 Series, 416 Series, 420 & 420T Series, 430 Series, 446 Series, 460 Series and all digital microscopes (microscope portion only).