OLYMPUS®

VANOX LBM version

for Metallography



A new generation of vertical illuminators for the Metallographic Research Microscope VANOX is now available for use with Olympus' recently-developed LBM series of infinity-corrected high performance objectives. This state-of-the-art combination clearly establishes the Olympus VANOX as the metallurgical microscope for use in the fields of research and industrial reflected light examination. The versatility and performance—brightfield, darkfield, Nomarski, Polarized light—can yield a variety of plan-images of crisp brilliance at all magnifications.

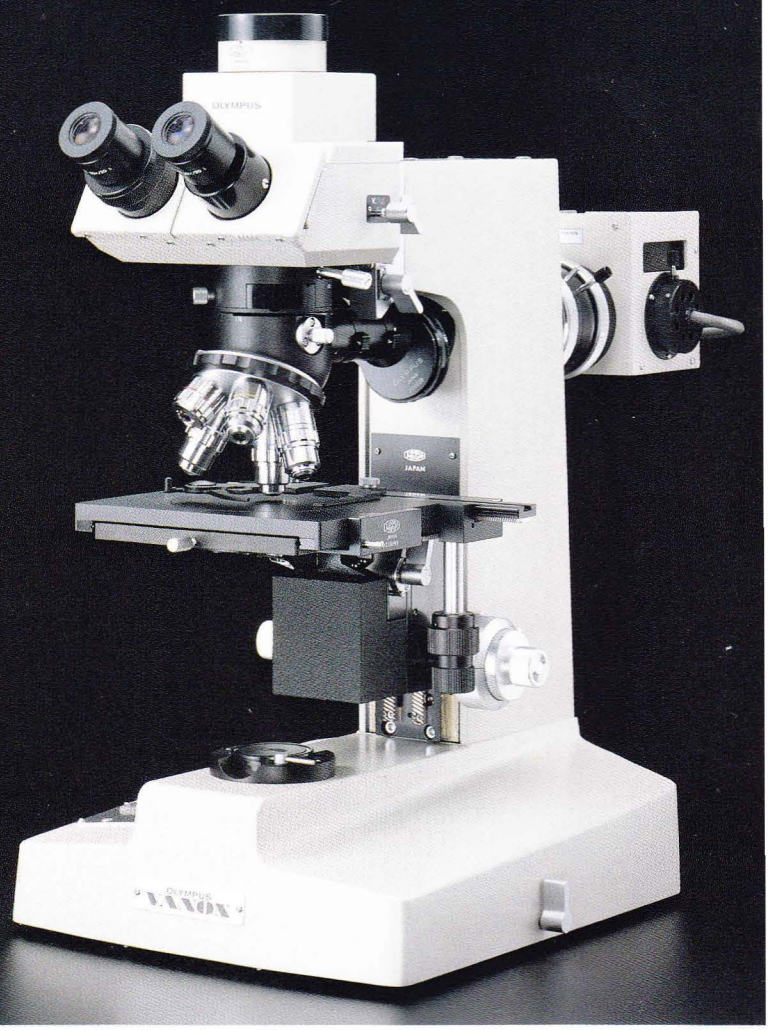
AHM-L

for Brightfield Observation

Standard Outfits

Module			AHM-	
			312L	313L
Microscope Stand		AHM-F-W	○	○
Power Cord		UYCP	○	○
Observation Tube		AH-BI-W	○	○
Vertical Illuminator*		AH-MA-LB	○	○
Analyzer		BH2-MAN45	○	○
Halogen Lamp Housing		AH-LSH-W	○	○
Halogen Bulb (2pcs.)		JC12V100W-HAL	○	○
Mechanical Stage		AH-SVM2	○	○
Revolving Nosepiece		BH2-MRE	○	○
Objective	M D Plan Achromat 5X	MDPL5X	○	
	M D Plan Achromat 10X	MDPL10X	○	
	M D Plan Achromat 20X	MDPL20X	○	
	M D Plan Achromat 50X	MDPL50X	○	
	M D Plan Achromat 80X	MDPL80X	○	
	M S Plan Achromat 5X	MSPL5X		○
	M S Plan Achromat 10X	MSPL10X		○
	M S Plan Achromat 20X	MSPL20X		○
	M S Plan Achromat 50X	MSPL50X		○
	M S Plan Achromat 100X	MSPL100X		○
Eyepiece (2pcs.)		WHK10X	○	○
Photo Eyepiece		NFK3.3XLD	○	○
		NFK5XLD	○	○

**With built-in polarizer and filters (ND6, ND25, IF550, LBD3, LBT2, WF600).*



Brightfield Objective Series

M S Plan



Magnification	N.A.	W.D. (mm)
5X (dry)	0.13	21.10
10X (dry)	0.30	9.00
20X (spring, dry)	0.46	3.00
50X (spring, dry)	0.80	0.47
100X (spring, dry)	0.95	0.30

LWD M S Plan



Magnification	N.A.	W.D. (mm)
20X (dry)	0.40	7.00
50X (dry)	0.60	3.00

M D Plan



Magnification	N.A.	W.D. (mm)
5X (dry)	0.10	19.00
10X (dry)	0.25	7.00
20X (spring, dry)	0.40	1.00
50X (spring, dry)	0.75	0.38
80X (spring, dry)	0.90	0.20

LBM SERIES



AHM-NL

for Brightfield/Darkfield Observation

Standard Outfits

Module			AHM-312NL	AHM-313NL
Microscope Stand		AHM-F-W	○	○
Power Cord		UYCP	○	○
Observation Tube		AH-BI-W	○	○
Vertical Illuminator*		AH-RLA-LB	○	○
Analyzer		BH2-NAN	○	○
Mechanical Stage		AH-SVM2	○	○
Halogen Lamp Housing		AH-LSH-W	○	○
Halogen Bulb (2pcs.)		JC12V100W-HAL	○	○
Objective	Neo D Plan Achromat 5X	NEODPL5X	○	
	Neo D Plan Achromat 10X	NEODPL10X	○	
	Neo D Plan Achromat 20X	NEODPL20X	○	
	Neo D Plan Achromat 50X	NEODPL50X	○	
	Neo S Plan Achromat 5X	NEOSPL5X		○
	Neo S Plan Achromat 10X	NEOSPL10X		○
	Neo S Plan Achromat 20X	NEOSPL20X		○
	Neo S Plan Achromat 50X	NEOSPL50X		○
Eyepiece (2pcs.)		WHK10X	○	○
Photo Eyepiece		NFK3.3XLD	○	○
		NFK5XLD	○	○

**With built-in polarizer, quadruple revolving nosepiece and filters (ND6, ND25, IF550, LBD3, LBT2, WF600).*

Brightfield/Darkfield Objective Series

Neo S Plan



Magnification	N.A.	W.D. (mm)
5X (dry)	0.13	10.00
10X (dry)	0.30	4.00
20X (spring, dry)	0.46	3.00
50X (spring, dry)	0.80	0.50
100X (spring, dry)	0.90	0.30

Neo D Plan



Magnification	N.A.	W.D. (mm)
5X (dry)	0.10	11.20
10X (dry)	0.25	6.00
20X (spring, dry)	0.40	1.00
50X (spring, dry)	0.57	0.34
80X (spring, dry)	0.90	0.18

Infinity-Corrected LBM Objectives

- Excellent Resolution
- Good Contrast
- Outstanding Field Flatness
- Increased Working Distance
- 23% Increased Visual Field

AH-SWTR

Super Widefield Trinocular Tube

When used in conjunction with the SWK 10X super widefield eyepieces (FN 26.5), this trinocular tube permits observation of approximately twice the area of a normal field. M S Plan or Neo S Plan objectives should be used for the super widefield observation.



BH2-M-NIC
BH2-N-NIC

Nomarski Differential Interference Contrast Attachment

The BH2-M-NIC is used with the brightfield vertical illuminator, and the BH2-N-NIC with the brightfield/darkfield vertical illuminator, for differential interference contrast observation. Each of them requires the M S Plan objectives, analyzer and polarizer. You can choose a type of attachment from these standard outfits that fits your microscope modules.





Standard Outfits

Module		BH2-M-NIC	
		2	4
Nomarski Prism	BH2-NIC5-M, BH2-NIC10-M, BH2-NIC20-M, BH2-NIC50-M, BH2-NIC100-M	○	○
M S Plan Objective	MSPL5X, 10X, 20X, 50X, 100X	○	
Screwdriver	AA7213	○	○

Standard Outfits

Module		BH2-N-NIC	
		2	4
Nomarski Prism	BH2-NIC5-N, BH2-NIC10-N, BH2-NIC20-N, BH2-NIC50-N, BH2-NIC100-N	○	○
M S Plan Objective	MSPL5X, 10X, 20X, 50X, 100X	○	
Screwdriver	AA7213	○	○

Specifications are subject to change without notice.

Progress through Precision

OLYMPUS®

OLYMPUS OPTICAL CO., LTD.
San-Ei Building, 22-2, Nishi Shinjuku 1-chome, Shinjuku-ku, Tokyo, Japan
OLYMPUS OPTICAL CO. (EUROPA) GMBH.
Postfach 104908, Wendenstrasse 14-16, 2 Hamburg 1, West Germany
OLYMPUS CORPORATION OF AMERICA
4 Nevada Drive, New Hyde Park, N.Y. 11042, U.S.A.

Printed in Japan M06E-0183B