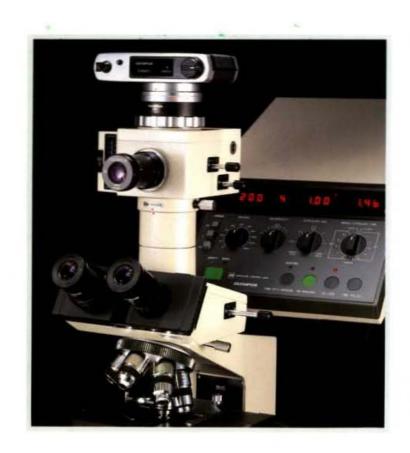
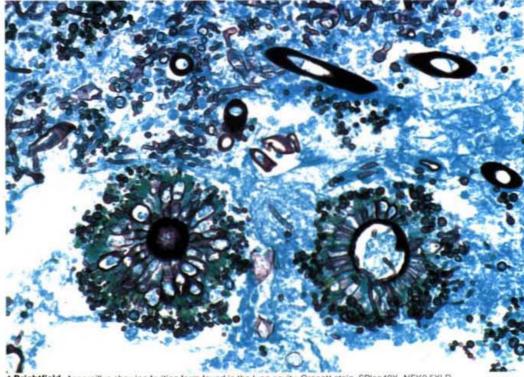
OLYMPUS®

PHOTOMICROGRAPHIC SYSTEMS

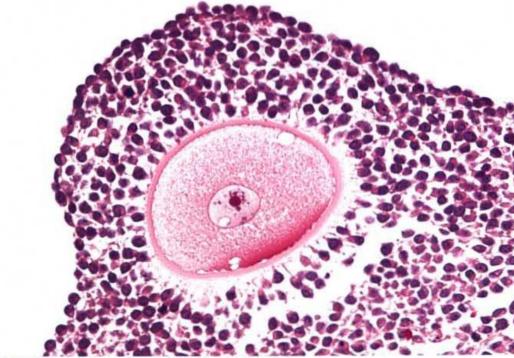


Simple, Efficient Operation For Higher-Quality Photomicrography

Olympus offers a wide array of photomicrographic systems, ranging from sophisticated, top-of-the-line models that yield superb photomicrographs with all photomicrographic techniques and under every photographic condition, to the easy-to-operate models that are highly cost effective. Modular component design allows these Olympus Photomicrographic Systems to be used for a variety of film sizes and emulsions, in combination with all models of Olympus microscopes. Thus, Olympus Photomicrographic Systems can cope with a wide diversity of photomicrographic needs. Olympus Photomicrographic Systems simplify the intricate and complex photomicrographic tasks that normally require professional techniques and experience, to a point where easy and faultless operation is possible by anyone.



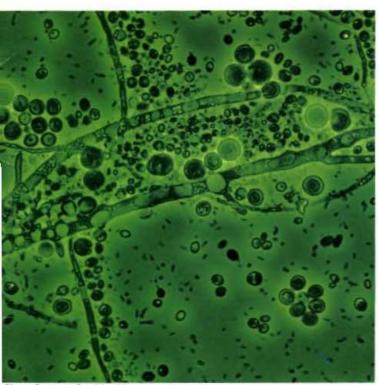
Brightfield Aspergillus showing fruiting form found in the lung cavity, Grocott stain, SPlan40X, NFK2.5XLD



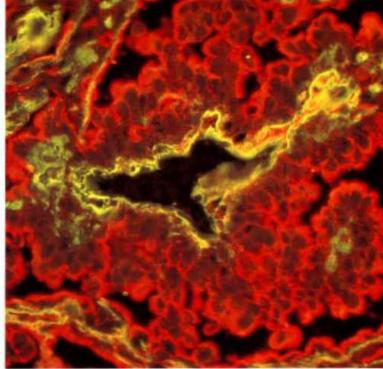
Courtesy of Dr. Shinji Kamimura, Department of Biology, College of Arts and Sciences, University of Tokyo

^{*2.} Courtesy of Dr. Junichi Hata and Dr. Junichiro Fujimoto, Department of Phathology, National Children's Medical Reseach Center

^{*3.} Courtesy of Mr. Johbu Itoh, Cell Biology Research Laboratory, School of Medicine, Tokai University



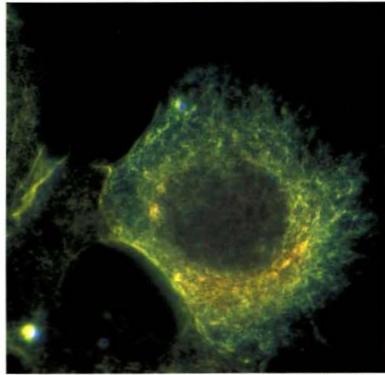
Phase Contrast Candida albicans, one of yeast-like cells, in urinary sediment, PCSPlan40XNH, NFK3.3XLD



▲ Fluorescence _*2. Double immuno fluorescence in monoclorial antibodies in york sac tummor, B and G Excitation, DApo40XUV, NFK3.3XLD



Nomarski Differential Interference Contrast *1. Opalina, SPlan40X, NFK2.5XLD



A Darkfield *3. Immunohistochemical staining for α-tubulin in the rat cultured hepatocyts (Peroxidase-labeled antibody method), SPIanApo100X, NFK5XLD

Automatic Photomicrographic Systems PM-10ADS, PM-10AD

Advanced Systems Allow Superb Photomicrography — Easily and under Any Photographic Conditions

The Models PM-10ADS and PM-10AD feature a built-in microcomputer control that automates much of the complex operational techniques that depend on the skill and experience of the operator in conventional systems. Other state-of-the-art features include a Silicon Blue Cell (SBC) photo sensor with improved sensitivity and a real-time light measuring system. The typical reciprocity failure characteristics inherent in various types of film are stored in the microcomputer, enabling these systems to correct for sensitivity losses during long exposures. In addition, exposure adjustments can be made to match the sample's brightness distribution, resulting in highly accurate automatic exposure control, regardless of any changes in photographic conditions. Other diverse functions include panoramic photomicrography with an Auto Exposure (AE) lock, multiple exposure photomicrography, 16mm cine camera compatibility, and simple, precise color temperature measurement.



ISO setting		3 — 4,000 (35mm), 25 — 25,600 (large format)				
Exposure adjustment ra	ange	0.25 × — 4 × in increments of 1/3 stops				
Reciprocity failure corre	ection	Stored in the microcomputer, 8 channel dial settings				
Automatic exposure loc	:k	Estimated or previous actual exposure time can be locked				
LED display		Indicates estimated exposure time, time remaining to complete exposure, and actual exposure time. Recall of the previous actual exposure time is possible				
Over-or underexposure	warning	Safety light and beeper				
Measuring area (on 35r	mm film frame)	1% spot measurement / 30% average measurement				
CVE mode		Carnera 64%, focusing telescope 16%, exposure meter 20				
Light path selection	CE mode	Carnera 80%, exposure meter 20%				
	VCT mode	Focusing telescope 80%, color temperature module 20%				
35mm camera back		Automatic film advance, film counter, built-in light excludi shutter. Accepts OM System Recordata Backs				
3-1/4" × 4-1/4" Polaroid back		Film recommended; Type 669 (color, ISO 80), Type 667 (B & W, ISO 3000)				
4" x 5" intermediate a	dapter	Accepts 4" x 5" sheet film holders or film packs (commercially available				



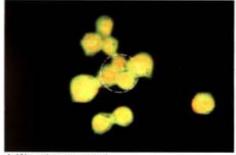
ISO setting		1.5 — 25,600 (35mm), 6 — 25,600 (large format)				
Exposure adjustment range		0.25 × — 4 × in increments of 1/3 stops				
Reciprocity failure corr	ection	Stored in the microcomputer, 8 channel dial settings				
Automatic exposure loc	ck	Estimated or previous actual exposure time can be locked				
LED display		Indicates estimated exposure time, time remaining to complete exposure, and actual exposure time. Recall of the previous actual exposure time is possible				
Over-or underexposure warning		Safety light and beeper				
Measuring area (on 35mm film frame)		60% average measurement				
	CVE mode	Carnera 64%, focusing telescope 16%, exposure meter 20%				
Light path selection	CE mode	Camera 80%, exposure meter 20%				
VCT mod		Focusing telescope 80%, color temperature module 20%				
35mm camera back		Automatic film advance, film counter, built-in light excludin shutter. Accepts OM System Recordata Backs				
3-1/4" × 4-1/4" Polaroid back		Film recommended; Type 669 (color, ISO 80), Type 667 (B & W, ISO 3000)				
4" ×5" intermediate adapter		Accepts 4" x 5" sheet film holders or film packs (commercially availal				

PM-10ADS

Measuring area selection, varying between spot measurement (1% of a 35mm film frame) and average measurement (30% of a 35mm film frame) adjusted by a knob on the side panel of the automatic exposure body. The built-in spot measurement capability provides optimum exposure easily, even under widely varying lighting conditions, as is often experienced when fluorescence or darkfield techniques are used.



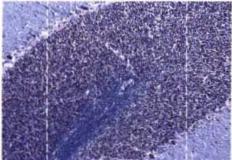
▲ 30% average measurement



▲ 1% spot measurement

PM-10AD

The PM-10AD features a 60% average light measurement; its other functions are essentially identical to those of the PM-10ADS.



▲ 60% average measurement

Sophisticated Photomicrographic Systems Incorporate All Necessary Functions

35mm Camera Back with Automatic Film Advance

The motorized film advance eliminates the need for manual winding, while preventing double exposure. OM System Recordata Backs can be mounted on the camera back.

2 Light-Excluding Shutter

When the 35mm camera back is detached, this shutter automatically closes, thus preventing the film from being exposed to ambient light.

3 S.B.C. Photo Sensor

An extremely stable Silicon Blue Cell (SBC) boasts improved response and sensitivity, permitting accurate measurement even at low light levels or with rapid changes in illumination intensity.

Contactless Electromagnetic Shutter

Vibration-free design prevents unwanted shutter movement from being transmitted to the photomicrographic image plane, especially significant during high-magnification photomicrography.

5 Three-Position Color Coded Ligh Path Selector

Depending on specimen brightness and operator selection, the following three positions of the light path selector prisms are possible.

CE mode (white)

Camera: 80%, exposure meter: 20%

•CVE mode (green)

Camera: 64%, Focusing telescope: 16%, Exposure meter: 20%

VCT mode (yellow)

Focusing telescope: 80%, Color temperature module: 20%

6 One-Touch Measuring Area Selector (PM-10ADS Only)

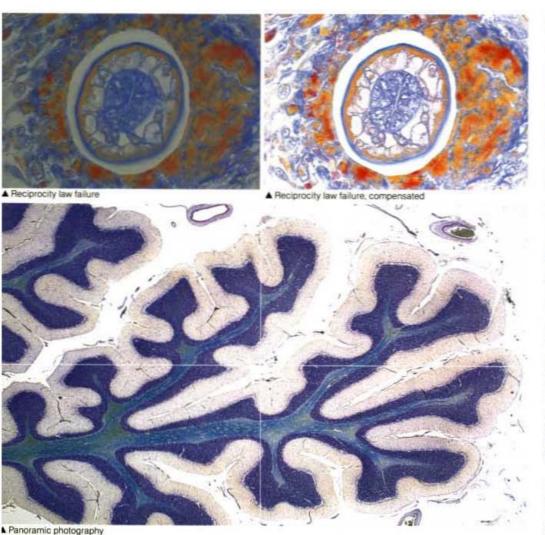
Yellow (out): 1% spot measurement Green (in): 30% average measurement

Automatic Correction of Reciprocity Failure Characteristics

During long-term exposure, any type of film can experience exposure difficulty due to inherent reciprocity failure characteristics. The PM-10ADS and PM-10AD store every popular film's reciprocity failure characteristics to ensure automatic exposure adjustment. Simply set the Reciprocity Correction Dial to match the film being used.







8 LED Digital Display

The PM-10ADS and PM-10AD digitally display the estimated exposure time, time remaining to complete the exposure, and the actual exposure time. Other digital displays include exposure compensation according to sample's brightness distribution, correction of the film's reciprocity failure characteristics, ISO settings, and film size.

Real-Time Measuring System

In addition to an LED display that digitally indicates estimated film exposure time, the PM-10ADS and PM-10AD units automatically correct the exposure time while measuring light intensity on a real-time basis. This eliminates the effects of variable photographic conditions and results in optimum exposure.

AE Lock (Auto Exposure Lock)

Another advantage of the built-in microcomputer is the AE lock capability which stores and locks the exposure time. This feature is especially useful when performing panoramic photomicrography with uniform background tone. This capability also permits framing as desired during spot measurement. If the specimen being measured is not in the center of the field, first move the specimen to the center, engage the AE lock, and then return the specimen to its original position before taking the photomicrograph.

Multiple Exposure 35mm
 Photomicrography (PM-10ADS only)

As many exposures as desired can be made on one frame, a feature especially convenient for recording the behavior of microorganisms, or for photomicrography of double-stained fluorescent specimens.

12 Exposure Correction

To obtain highest quality, perfectly exposed photomicrographs, exposure adjustments can be made depending on the characteristics of the specimen, by changing the effective film speed from 0.25 times to 4 times the nominal value, in 1/3 stop increments.

Recall of Previous Exposure Time Pressing the Time Recall Button allows you to recall the previous frame's exposure time. This feature provides extra convenience when recording and classifying data.

Accessories for PM-10ADS/ PM-10AD systems

PM-IV Time Lapse Control Unit

Using the PM-IV in conjunction with the PM-CBAD automatic exposure control unit makes fully automatic time-lapse photography possible. In addition to time-lapse photography with a 35mm camera, time lapse filming with a 16mm cine camera can be achieved by means of the PM-MD motor drive unit. The "on-off" switch of microscope light source can be synchronized for time lapse photography, protecting live cells from light-induced damage. The PM-IV is essential for the photomicrographic study of tissue culture and cell material.

Specifications

Time interval	1 sec. — 99.9 hours
Timer	Quartz oscillation, accurate to ±1 second/day
LED Display	Time elapsed and number of frames taken during photomicrography
Frame Selection	1 — 9,999 frames

PM-MD Motor Drive Unit

The PM-MD is designed to drive a Bolex 16mm cine camera. Used together with a PM-IV time-lapse control unit, fully automatic time-lapse photography is possible. Applicable Bolex cameras include the H-16RX (with serial numbers 210601 and higher), H-16J, and H-16M (with serial numbers 214401 and higher).

Accessories for 250 Film — 250 Film Back 1, 250 Film Magazine, PM-250AD Motordriven Gear Adapter for 250 Film Back 1 Attaching this equipment to a 35mm camera

Attaching this equipment to a 35mm camera back allows continuous photomicrography of up to 250 frames.



















PM-DL-W Adapter for Large-Format Backs

Using the PM-DL-W adapter, a variety of large-format cameras can be employed in combination with the PM-10 Series photomicrographic system.

PM-C4X5-W 4" × 5" Intermediate Adapter The PM-C4 × 5-W facilitates attachment of commercially available 4" × 5" sheet film

commercially available 4" × 5" sheet film holders or film packs.

PM-CP-W 3-1/4" × 4-1/4" Polaroid Back

With a 3-1/4" × 4-1/4" (95 × 73mm) frame size, the PM-CP-W is designed for use with Polaroid 668 color film and 667 monochrome film.

PM-VSB Bright Frame Viewfinder

Mounting the PM-VSB onto the automatic exposure body illuminates both the reticle line and the film format frame in the focusing telescope, thus facilitating focusing, spot measurement and framing, even when using a fluorescence microscope or darkfield illumination. Frame color can be switched between yellow and red, with adjustable brightness.

PM-CTR Color Temperature Module

(Standard Equipment except for PM-10AD-1) The PM-CTR permits accurate measurement of color temperature, even at low levels of illumination. Color temperature adjustment, essential for good color photography, is thus facilitated by light source adjustment and the use of appropriate color conversion filters. The color temperature measurement range is from 2,500°K to 10,000°K.

Recordata Back 2 and Recordata Back 4 Data Imprinting Backs

By replacing the back of a 35mm camera body with a data imprinting back, data may be imprinted on the film surface.

PM-FS Foot Switch

As an alternative to finger pressure on the release button of the exposure control unit, the PM-FS permits foot-controlled, remote shutter operation.

Semi-Automatic Exposure Photomicrographic System PM-10AK

Semi-Automatic Photomicrography with an Economical and Compact System

The PM-10AK Semi-Automatic Exposure Photomicrographic System features 30% average measurement, with a selection of automatic film advance camera bodies. In addition, simplified control of a wide range of operations is possible by means of the buttons on the exposure control unit, and the exposure body side panel, where operation controls are clustered. Moreover, the PM-10AK compact exposure control unit is conveniently designed to occupy a minimum of desk space. Employing a combination of the Silicon Blue Cell (SBC) photo sensor and a real-time measuring system, the PM-10AK is able to measure exposure time with high precision. The PM-10AK's additional features include a 4-step estimated exposure time indicator plus an LED over- or underexposure warning with shutter locking function. Together, these features effectively prevent incorrect exposure adjustments. The newly-developed automatic shutter and the shutter release control on the control unit assure vibration-free operation.



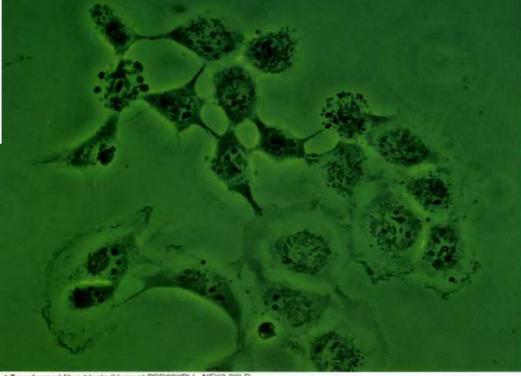
Automatic exposure ran	nge	1/125sec. — over 4min. (35mm, ISO 100, exposure adjustment "1"				
ISO setting		6 — 6,400 (35mm), 50 — 50,000 (large format)				
Exposure adjustment ra	inge	0.5x 4x in increments of 1/3 stops				
LED display		Estimated exposure time indicated in 4 ranges, 1/125sec. — 0.1sec. 0.1sec. — 1sec., 1sec. — 10sec., over 10 sec./Shutter operating mode/FiLM END				
Over-or underexposure warning		Provided by flashing LEDs				
Measuring area (on 35mm film frame)		30% average measurement				
Distribution of light amounts		Focusing telescope 20%, exposure meter 16%, camera 64%				
35mm camera back with automatic film advance		Film counter, built-in light excluding shutter. Accepts OM System Recordata Backs				
San And Control Control	with manual film advance	Film counter, built-in light excluding shutter. Accepts OM System Recordata Backs and a write-on plastic data strip				
3-1/4" x 4-1/4" Polaroid back		Film recommended; Type 669 (color, ISO 80), Type 667 (B & W, ISO 3000)				
4" x 5" intermediate adapter		Accepts 4" x 5" sheet film holders or film packs (commercially available				











LED Displays

Estimated exposure time is indicated in 4-step increments. Over- or underexposure, end of film, and shutter operating mode are also indicated by LED displays.

Control Cluster on the Exposure Body A simple turn of the dial allows selection of settings for 35mm or large-format cameras, and of ISO film speeds. Exposure adjustment can be made by changing effective film speed from 0.5 x to 4 x the nominal value, in 1/3 stop increments.

Vibration-Free Automatic Shutter

Especially during high-magnification photomicrography, this shutter mechanism helps produce clearer pictures by eliminating unintentional camera movement caused by shutter vibration.

Separate Control Unit

For vibration-free operation, the camera shutter can be automatically activated from the separate control unit. Designed for comfortable hand-held use from almost any location, this compact unit includes a simple manual exposure over-ride among its capabilities.



A Wide Selection of Camera Backs

The PM-10AK accepts either an automatic film advance 35mm camera back or a manual film advance 35mm camera back, a 4" ×5" intermediate adapter, and 3-1/4" × 4-1/4" Polaroid back. The 35mm camera backs incorporate a light-excluding shutter that closes automatically when the camera back is detached to prevent light from leaking onto the film. For photo documentation, a convenient Recordata Back can be mounted on the PM-10AK (35mm camera back only). *4" ×5" sheet film holder is not available through

Olympus.

Standard Focusing Magnifier

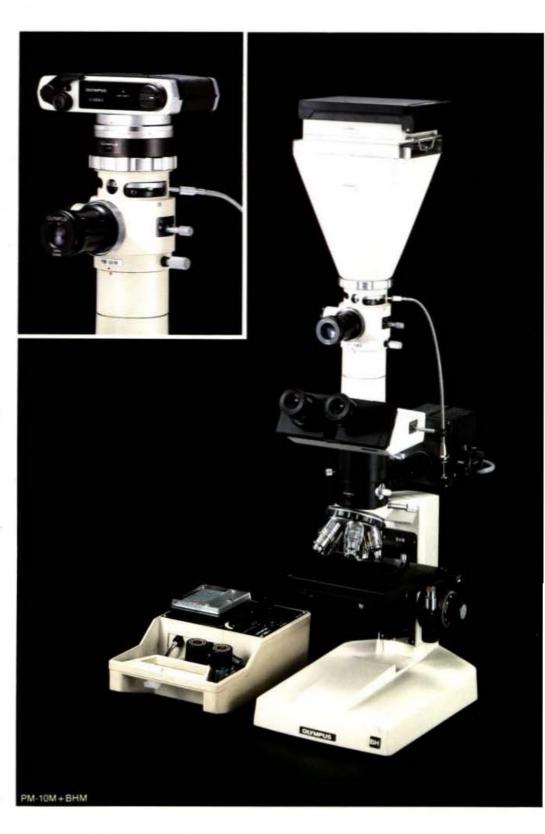
Attaching the focusing magnifier to the focusing telescope simplifies the difficult task of focusing in low power photography.

Manual Photomicrographic System PM-10M

High-Performance Manual Photomicrographic System with the Versatility for Today's Diverse Research Applications

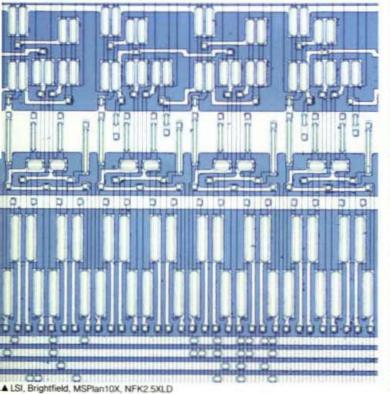
Compact and easy to maneuver, the PM-10M's shutter incorporates a specially designed rubber cushion to dampen and prevent shutter vibration transmission. Attaching the EMM-7 photomicrographic exposure meter to the exposure body enables exposure and color temperature measurement to be performed easily and accurately. A three-way, color-coded optical path selector facilitates easy focusing as well as measurement of exposure and color temperature, even in the case of a dark specimen, thus ensuring optimum photomicrographic exposure frame after frame.

- The vibration-free shutter design ensures outstandingly sharp photomicrographs, even at high-magnifications.
 Shutter speeds: 1/250, 1/125, 1/60, 1/30, 1/15, 1/8, 1/4, 1/2, 1 sec., B
- The PM-10M accepts a 35mm camera back with manual film advance, 4" x 5" sheet film or 3-1/4" x 4-1/4" Polaroid films.
- •The 3-way, color-coded optical path selector makes it possible to direct 100% of available light to the focusing telescope (for fluorescent and darkfield observation), 80% to the film and 20% to the focusing telescope (for photomicrography), or 100% to the exposure/photo meter (for measurement of exposure and color temperature).
- With the use of a Recordata Back or a writeon plastic data strip, data may be imprinted on the film surface.

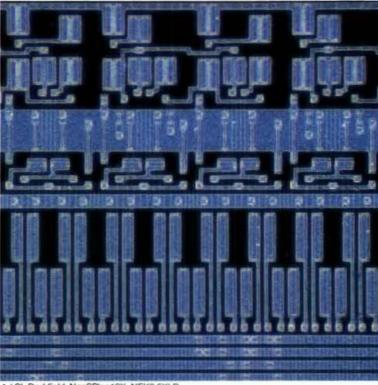




▲ Silver brazing filter metal. Brazing structure. MSPlan20X, NFK2.5XLD



▲ High purity vanadium with grain-boundaries, Nomarski DIC, MSPlanApo50X, NFK2.5XLD



▲ LSI, Darkfield, NeoSPlan10X, NFK2.5XLD

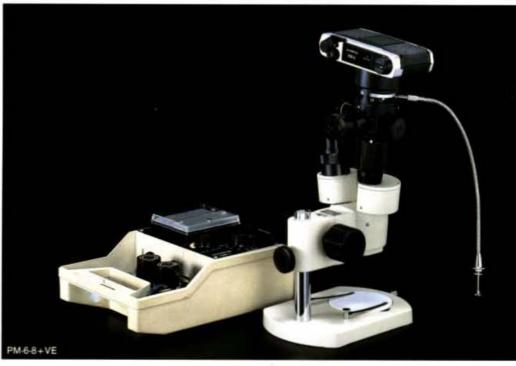
35mm Manual Photomicrographic Camera PM-6-8, BH2-PM-6-8

Light and Compact 35mm Camera for Easy, Vibration-Free Operation

The PM-6-8 and BH2-PM-6-8 cameras incorporate a special rubber cushion for smooth shutter operation without vibration. The EMM-7-2 exposure meter permits simple and dependable determination of exposure time and color temperature. The optical path splitting method employed is the same as with the PM-10M, and the PM-6-8 and BH2-PM-6-8's compact design allow them to be mounted even on small microscopes.

- With the use of a Recordata Back or a write-on plastic data strip, data may be imprinted on the film surface.
- Shutter speeds: 1/250, 1/125, 1/60, 1/30, 1/15, 1/8, 1/4, 1/2, 1 sec., B.
- The BH2-PM-6-8 comes standard with adapters for the BH2-TR30 Trinocular Tube.
 In other respects its specifications are identical to those of the PM-6-8.





Standard Outfits of Olympus Photomicrographic System

Module		PM10									
Module		-35ADS-2	-L1ADS-2	-L2ADS-2	-35AD-1	-L1AD-1	-L2AD-1	-35AD-2	-L1AD-2	-L2AD-2	-16mmCin
Automatic Exposure Body	PM-PBSP	0	0	0			14.19	31110	I LUNCK		
	PM-PBS		-		0	0	0	0	0	0	0
Automatic Exposure Control Unit	PM-CBSP	0	0	0				Carlotte.			LITTO
Adiomatic Exposure Control Offic	PM-CBAD		100000		0	0	0	0	0	0	0
Power Cord (for Automatic Exposure Control Unit)	UYCP	0	0	0	0	0	0	0	0	0	0
Adapter for 35mm Camera Back with Automatic Film Advance	PM-D35A	0	The sales		0		799	0	199		3.00
Adapter for Large Format Film Back	PM-DL-W		0	0	0.000	0	Ö	- 10-11	0	0	10 50
35mm Camera Back with Automatic Film Advance	C-35AD-4	0	The same		0	- KING	1	0	150		700
4" ×5" Intermediate Adapter	PM-C4X5-W		0			0	1000		0		
3-1/4" × 4-1/4" Polaroid Back	PM-CP-W	100	-5- m	0			0		-	0	- 2
	PM-VSP	0	0	0					1600	TRIL	
Focusing Telescope	PM-VS					1000	1000	- 27			0
Turrent Mask Focusing Telescope	PM-VTM		THE PARTY	CONTRACTOR OF STREET	THE REAL PROPERTY.	1000	0.00	0	0	0	
Focusing Magnifier	PM-FT-36	0	0	0		100 3	22 11	0	0	0	0
Adapter for FK Photo Eyepiece	PM-ADF	F (750)						0	0	0	0
Adapter for P Photo Eyepiece	PM-ADP	The same of the same of	200		EGG.	W/83	1000	0	0	0	-
Color Temperature Module	PM-CTR	0	0	0		THE REAL PROPERTY.		0	0	0	0
Filter Set (Consisting of 45LBD2N, 45LBT-N. 43ND6-W45 and 43ND25-W45)	PM-FIL-C	0	0	0	0	0	0	0	0	0	0
Time Lapse Control Unit (Including connecting cable UYKK13)	PM-IV			E ST	100		3350			00	0
Power Cord (for PM-IV)	UYCP	10000						30.00			0
Power Cord (to connect PM-IV and microscope stand)	UYCP11	400		1000	195	BES	Total I			1111	0
Motor Drive Unit for 16mm Cine Camera (including connecting cable UYKK14)	PM-MD				De la	END PO	500	DESIGNATION OF THE PERSON OF T		913	0
Cine Adapter	PM-D0.4X					TO HOUSE	1721 10			17	0

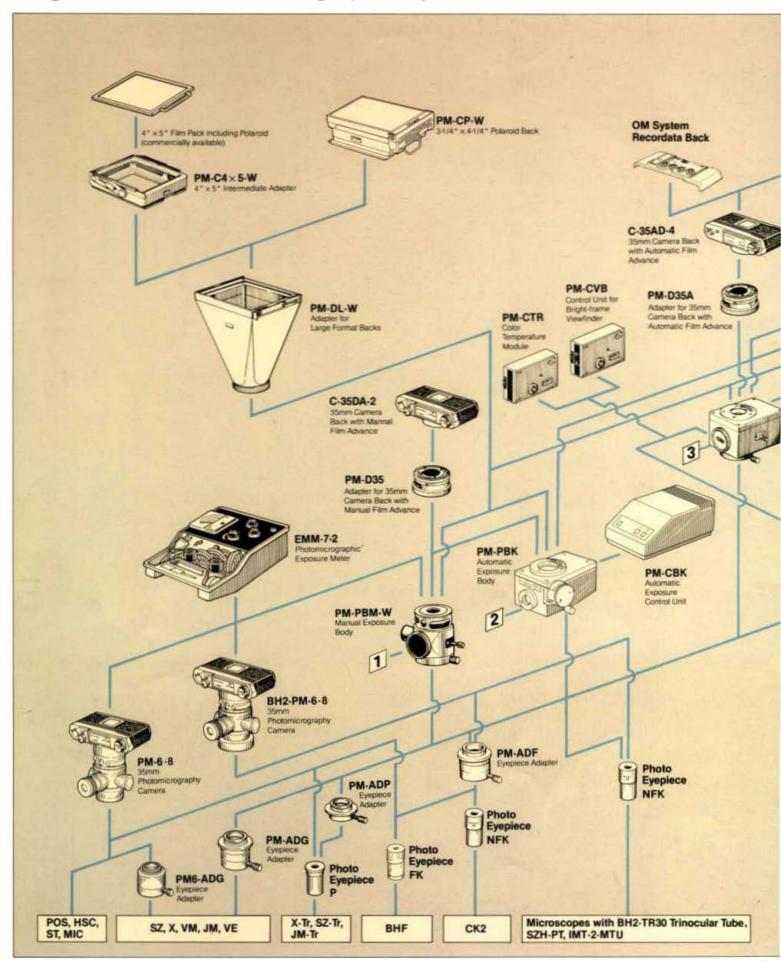
Standard Outfits of the PM-10AK

Module			PM10AK				
Moddle			.2	-L1	-L2		
Automatic Exposure Body with Connecting Cord	РМ-РВК	0	0	0	0		
Automatic Exposure Control Unit	PM-CBK	0	0	Ö	O		
Power Cord	UYCP	0	0	0	0		
Adapter for 35mm Camera Back with Automatic Film Advance	PM-D35A	0	100				
Adapter for 35mm Camera Back with Manual Film Advance	PM-D35	100	0				
35mm Camera Back with Automatic Film Advance	C-35AD-4	0			l II		
35mm Camera Back with Manual Film Advance	C-35DA-2		0				
Adapter for Large Format Film Back	PM-DL-W			0	0		
4" x 5" Intermediate Adapter	PM-C4×5-W			0			
3-1/4" × 4-1/4" Polaroid Back	PM-CP-W		-		0		
Adapter for FK Photo Eyepiece	PM-ADF	0	0	0	0		
Focusing Telescope	PM-VS	0	0	0	0		
Focusing Magnifier	PM-FT-36	0	0	0	0		
Filter	45G-533	0	Ö	0	0		

Standard Outfits of the PM-10M

	Mark In)
Module			-L1M	-L2M
Manual Exposure Body (including cable release SR-2)	РМ-РВМ-W	0	0	0
Adapter for 35mm Camera Back with Manual Film Advance	PM-D35	0	7	
Adapter for Large Format Film Back	PM-DL-W	136	0	0
35mm Camera Back with Manual Film Advance	C-35DA-2	0		
4" × 5" Intermediate Adapter	PM-C4×5-W		0	
3-1/4" × 4-1/4" Polaroid Back	PM-CP-W	1		0
Focusing Telescope	PM-VS	0	0	0
Focusing Magnifier	PM-FT-36	0	0	0
Adapter for FK Photo Eyepiece	PM-ADF	0	0	0
Adapter for P Photo Eyepiece	PM-ADP	0	0	0

Diagram of the Photomicrographic Systems



nous Motor Drive Unit for 16mm Cine Camera 250 Film Magazine Bolex 16mm Cine Camera vailable from Bolex and ts representatives) 250 Film Back 1 PM-D0.4X PM-250AD for 250 Film Back1 Tata ling PM-IV PM-FS M-PBS PM-CBAD Control Unit for PM-10AD PM-CBSP Control Unit for PM-PBSP PM-10ADS Exposure Body 3 PM-VTM Focusing 4 PM-VS PM-VB PM-FT-36 PM-VSP

Accessories for Olympus Photomicrographic Systems



EMM-7-2 Photomicrographic Exposure Meter

The EMM-7-2's CdS photo sensor, attached to the light measuring port of the PM-10M or the PM-6-8 and BH2-PM-6-8 manual cameras, permits highly-precise measurements of exposure time and color temperature.

Photometric range:

High: 1/250 - 1/2 sec. (35mm)

1/30 - 4 sec. (Large-format)

Low: 1/2 - 32 sec. (35mm)

4 - 128 sec. (Large-format)

ISO film speed range:

6, 16, 25, 32, 50, 80, 100, 160, 200, 400 (3,000)

 The EMM-7-2 standard outfit include LB-45 and LBD color temperature compensating filters.



PM-ADF Eyepiece Adapter for the "FK" Eyepiece

Allows mounting the PM-10 Series Photomicrographic System onto microscopes which are equipped with either BH-TR30 or BH-TR45 trinocular tubes.

PM-ADG Eyepiece Adapter for the "G" Eyepiece

Permits mounting the PM-10 onto the stereo microscopes equipped with a binocular observation tube.

PM-ADP Eyepiece Adapter for the "P" Eyepiece

Permits mounting the PM-10 onto the X-Tr, SZ-Tr and JM-Tr stereo microscopes.

PM6-ADG Eyepiece Adapter for the "G" Eyepiece

Allows mounting the PM-6-8 Photomicrographic Camera onto the stereo microscopes equipped with a binocular observation tube.

35mm Photomacrographic Systems PMT-35TA, PMT-35RA

Sharp Focusing for Close-Ups plus High-Quality Whole-Specimen Photography

The addition of an optional Olympus OM series SLR camera body makes the PMT-35TA and PMT-35RA systems ideal for widefield photomacrography.

 Optional Olympus macrolenses may be used to photograph gross specimens and still capture minute section details.
 Photomacrographic magnification:

Olympus Zuiko macro lens 20mm f2 — 0.45× to 3.3×

Olympus Zuiko macro lens 38mm f2.8 — 2.2 x to 8.3 x

Olympus Zuiko macro lens 80mm f4 — 4.8 × to 16.6 ×

- An attachable mechanical shutter (PM-MS35) prevents vibration transmission from affecting performance at high magnification.
 Shutter speeds range from T, B and 1 sec. to 1/500 sec., and the shutter is equipped with M and X flash contacts.
- Used in conjunction with a microscope, sharply focused photomicrographs can be taken over a wide range of magnifications.

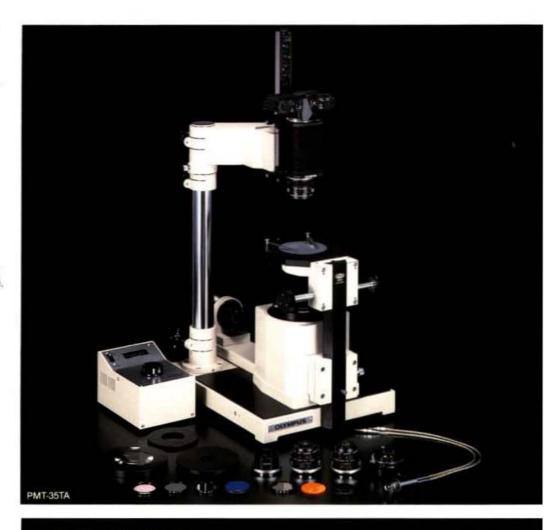
PMT-35TA Transmitted Light Photomacrographic System

This transmitted light photomacrographic system eliminates the need for manual positioning and light source centration and with its built-in auxiliary condenser provides uniform illumination at any magnification.

PMT-35RA Reflected Light Photomacrographic System

The PMT-35RA employs the reflected light illuminator PM-LSD-W to illuminate opaque specimens from a variety of angles.





ALCO DE LA CONTRACTOR DE	P	PMT			
Module	-35TA	-35RA			
Photomacrographic outfits, consisting of: *Base and pillar (PM-PS35) *Auto bellows (PM-BD35A) *Mechanical shutter (PM-MS35) *Light excluding collar (PM-SDM-2) *Transmitted light illuminator (PM-DL95) *Auxiliary condenser (PM-MC38) *Bulb socket (LLS-B) *Stage clips, paired *Tungsten bulb 6V5ATP-1 (3 pcs.) *Accessory container (PMT-35TA-WB) *Dust cover (A031)	PMT-35TA-F	•			
Photomacrographic outfits, consisting of: *Base and pillar (PM-PS35) *Auto bellows (PM-BD35A) *Mechanical shutter (PM-MS35) *Light excluding collar (PM-SDM-2) *Accessory container (PMT-35TA-WB) *Dust cover (A031)	PMT-35RA-F		0		
Double cable release	DCR	0	0		
Universal illuminator	PM-LSD-W		(2 pcs.)		
Stage plate (clear)	SP-C	0			
Filter set for color film	PM-FIL-C	0	0		
Filter set for black & white film	PM-FIL-4	10	0.		
OM camera mount	PM-CAMS	0	0:		
Transformer	TGHM	0	O (2 pcs.)		
Power cord	UYCP	0	(2 pcs)		

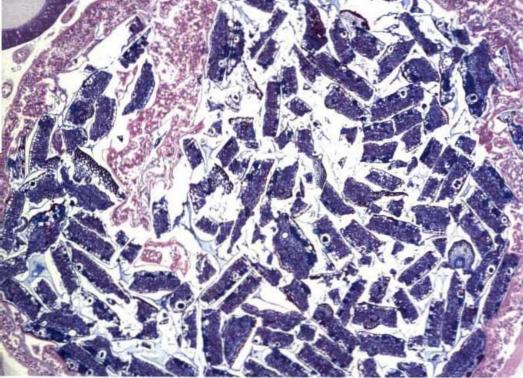












Accessories for Olympus Photomacrographic Systems

PM-LSD-W Universal Illuminator

The illuminator height can be varied from 10cm to 45cm, and free angle adjustment is possible. It employs a 6V 30W bulb, and accepts up to two 45mm dia. filters.

PM-LM Lieberkühn Reflector

By attaching the PM-LM to an f=20mm or an f=38mm lens, shadow-less illumination of three dimensional objects is possible.

PM-ELM Vertical Illuminator

Used in conjunction with the PM-LSD-W, the PM-ELM is ideal for illuminating objects with reflection characteristics similar to those of mirrors.

Varimagni Finder

Incorporating a 2-step magnification selector (1.2× and 2.5×) for observation, the Varimagni finder makes it easy to focus the camera from a comfortable sitting position.

PM-EA Adapter for EMM-7-2

The PM-EA is used in conjunction with the EMM-7-2 photomicrographic exposure meter to determine film surface exposure times.

It takes a tremendous amount of skills to build a reputation as an innovator among industries as diverse as communications, medicine, information and science. Yet that's exactly what Olympus has accomplished since its inception in 1919. Our varied product list is filled with technological achievements and resounding successes. Not only in cameras, but also in a wide range of Microscopes. Fiberscopes. Microcassette recorders. Clinical analysis equipment. Video equipment. And more breakthroughs are on the way, particularly in the exciting new field of opto-electronics, which combines the resources of optics, electronics and precision engineering. At Olympus, we've earned our reputation with an unfailing commitment to heavy research and development. With an uncompromising dedication to quality, precision and accuracy. And with a stubborn unwillingness to follow the crowd. That's why we'll continue to lead the way with original products that surprise you, assist you, involve you, and fulfill you.



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