

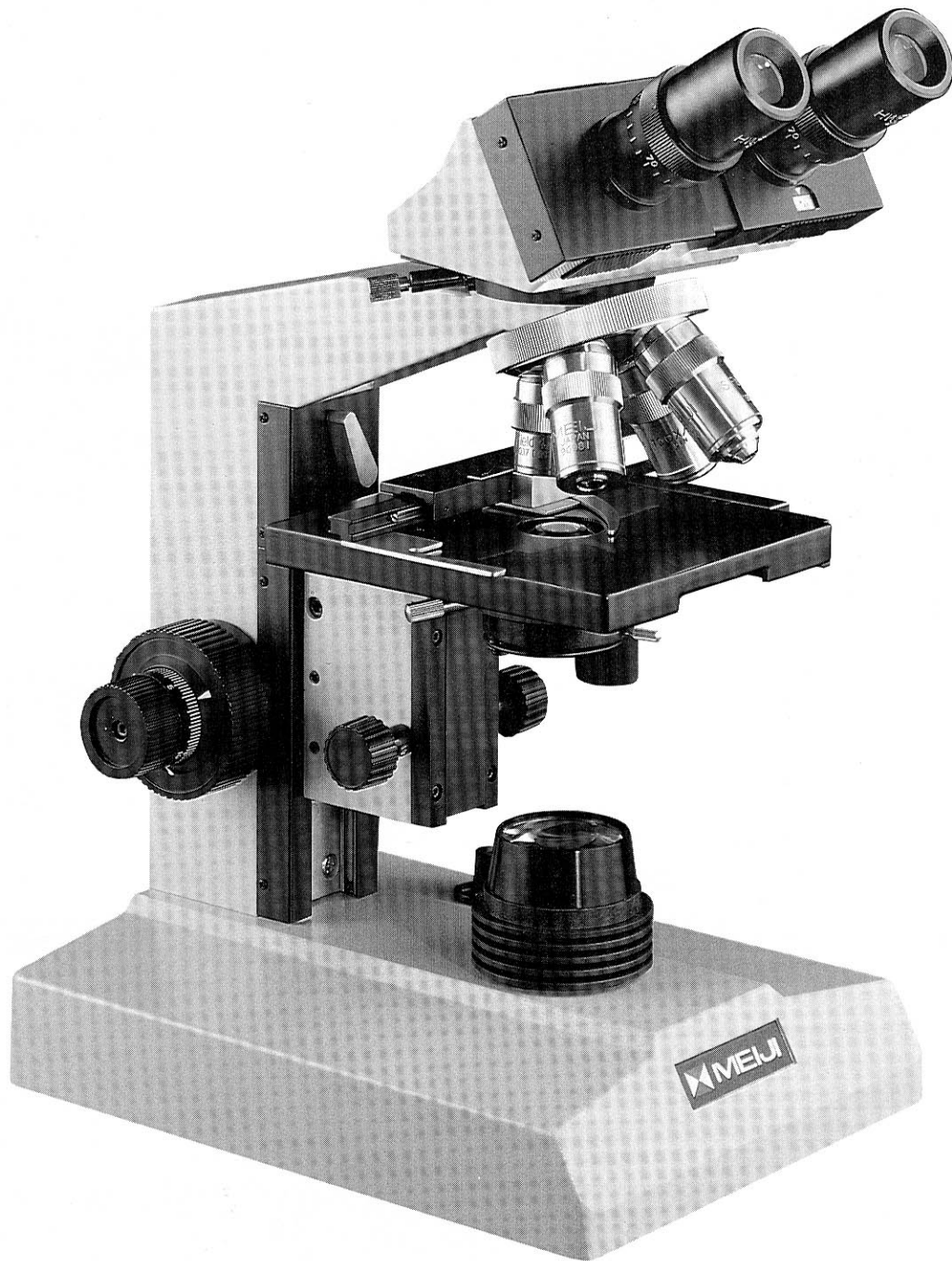
MEIJI
TECHNO

RM

SERIES

RESEARCH MICROSCOPES

BINOCULAR MODELS/TRINOCULAR MODELS



RM-B Type

RM-B/RM-T SERIES RESEARCH MICROSCOPES

MAIN FEATURES

VIEWING HEAD:

The RM-BH and RM-BDS series microscopes are equipped with a binocular viewing head inclined at 30° rotatable through 360°, with multi-coated high-transmission prisms and a field flatness lens. Each eyetube is provided with a graduated dioptic adjustment. Interpupillary distance is adjustable between 52mm and 72mm.

The RM-TH series microscopes are equipped with a trinocular viewing head. A sliding beam-splitter allows all the light to the eyepieces or directs 80% to the camera system and 20% to the eyepieces.

OBJECTIVE CHANGER:

Positive action quadruple ball bearing nosepiece with wide-knurled grip for easy operation.

EYEPIECES DIN STANDARD:

Paired wide-field high-eyepoint eyepieces with field of view number 18mm (HWF10X).

OBJECTIVES DIN STANDARD:

Two series of objectives are available. S.Flatfield Achromats and Semi Planachromats. All objectives are well corrected, parcentered, parfocal and fully antireflection-coated.

STAGE:

The 120mm X 140mm rectangular mechanical stage with smooth and responsive movements, 75mm X and 30mm Y, graduated with vernier reading 0.1mm is equipped with convenient low level coaxial controls.

CONDENSER:

Abbe condenser N.A. 1.25 is fitted with an aperture and 30mm diameter filter tray. The substage rack and pinion focussing condenser mount may be operated from either side and is equipped with centering controls.

Interchangeable with phase condenser and Dark-field condenser.

FOCUSING MOVEMENT:

The coaxial low level coarse and focussing controls with graduation reading 2 microns per division is fitted with a tension adjustment and a safety autostop, adjustable by the operator, for added convenience. The total focussing range is 40mm. The movement runs in extra wide precision ball-bearing hardened steel tracks.

LIGHT SOURCE:

A choice of light source is available to suit the optics chosen. Low voltage, high output 6V 20W halogen lamp and high voltage 115V or 220/240V tungsten silvered lamp. All illuminators are provided with an intensity control.

BASE:

The 180mm X 240mm wide stable base is sloped for comfortable use and is fitted with rubber anti-skid feet.

SIZE AND WEIGHT:

Binocular model: 180mm (W) X 240mm (D) X 365mm (H) , Net weight 6.1kg.

Trinocular model: 180mm (W) X 240mm (D) X 406mm (H) , Net weight 6.2kg.

Supplied in styrofoam case. Wooden cabinet is optional.

OBJECTIVE AND EYEPIECE SPECIFICATIONS

DIN Objectives—S-Flat

Cat.No.	Mag.	N.A.	Field.	W.D.	F.L.
MA482	4X	0.10	4.5mm	22.5mm	30.3mm
MA483	10X	0.25	1.8mm	6.1mm	16.1mm
MA484	20X	0.40	0.9mm	3.30mm	8.5mm
MA485	40X	0.65	0.45mm	0.6mm	4.4mm
MA486	60X	0.85	0.3mm	0.5mm	2.8mm
MA421	100X(oil)	1.25	0.2mm	0.1mm	1.8mm

DIN Objectives—S-Plan Achromat

Cat.No.	Mag.	N.A.	Field.	W.D.	F.L.
MA423	4X	0.10	4.5mm	14.7mm	31.5mm
MA424	10X	0.25	1.8mm	9.0mm	15.3mm
MA425	20X	0.40	0.9mm	3.0mm	8.5mm
MA426	40X	0.65	0.45mm	0.8mm	4.2mm
MA427	50X(oil)	0.95	0.36mm	0.44mm	3.5mm
MA429	100X(oil)	1.25	0.18mm	0.16mm	1.8mm

DIN Objectives—Plan Achromat

Cat.No.	Mag.	N.A.	Field.	W.D.	F.L.
MA432	2.5X	0.08	7.2mm	23.7mm	38.4mm
MA433	4X	0.10	4.5mm	14.7mm	30.7mm
MA434	10X	0.25	1.8mm	7.4mm	16.2mm
MA435	20X	0.40	0.9mm	3.6mm	8.9mm
MA436	40X	0.65	0.45mm	0.45mm	4.5mm
MA438	100X(oil)	1.25	0.18mm	0.23mm	2.3mm

DIN Eyepieces

Cat.No.	Field.	Eyepoint	F.L.
MA406	HWF10X	18mm	24.0mm
MA407	KHW10X	20mm	20.0mm
MA408	HWF15X	12.2mm	15.0mm
MA409	HWF20X	9mm	12.0mm

MA427 S-plan Objective 50X is immersion type.
40X, 50X, 60X, 100X objectives are all spring loaded.

MA484, 20X Objective is spring loaded.

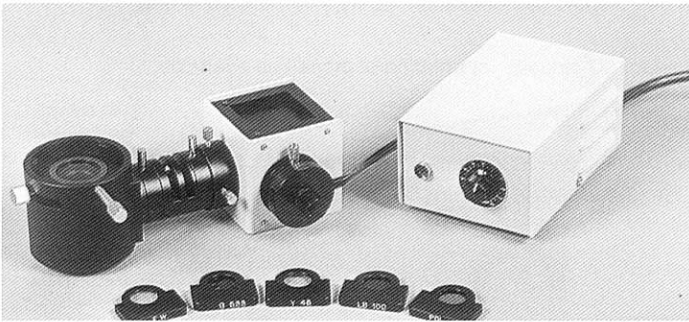
OPTIONAL ACCESSORIES FOR GREATER FLEXIBILITY

VERTICAL ILLUMINATOR, CAT. No. MA268

Vertical Illuminator with 6 volt 20W Halogen Lamp in full Koehler design for optional polarization technique. By attaching this vertical illuminator between the Binocular head and Limb, the RM Series microscope can be readily converted to reflected light observation of opaque specimens. Simultaneous incident and transmitted illumination may be employed by using both base and vertical illuminators.

Supplied with:

- Variable transformer (CAT. No. MA268/15 for 117V, MA268/20 for 220/240V)
- One each of diffusing white filter, clear blue, clear green, clear yellow and polarizing filters
- One spare lamp, 6 volt 20W halogen lamp (CAT. No. MA311)



MA268

METALLURGICAL OBJECTIVES

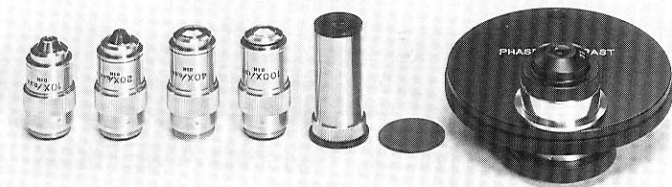
Specially corrected Semi Planachromats are available for use with the vertical illuminator and uncovered specimens.



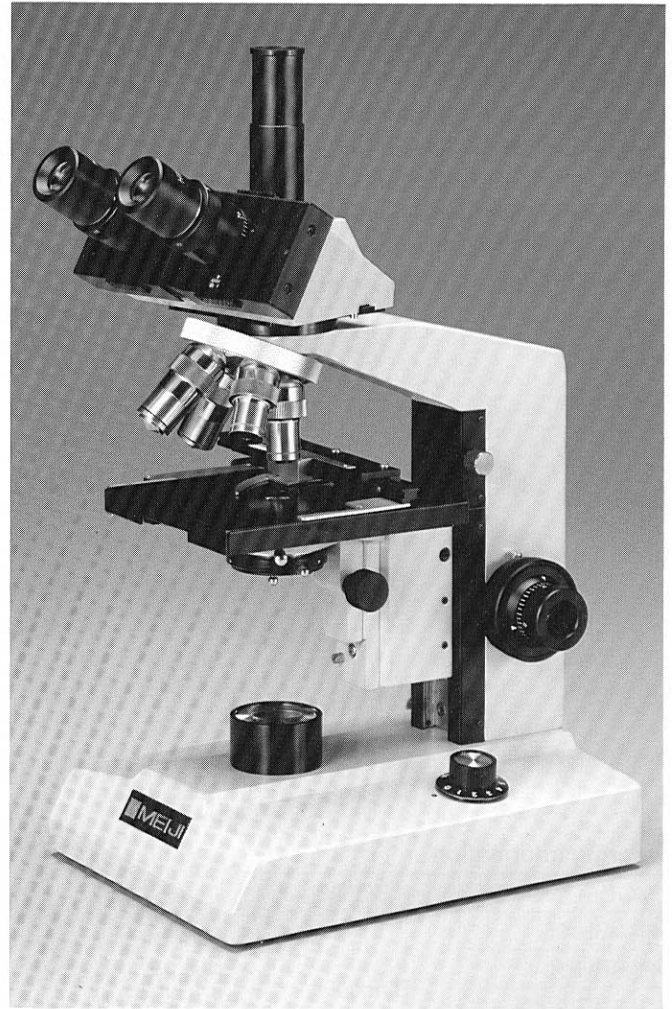
PHASE CONTRAST SET, CAT. NO. MA273DIN

Phase contrast accessories are indispensable for observation of transparent specimens such as living cells, platelets etc.

The MA273DIN phase contrast set comprises a turret phase condenser of the Zernike type with a bright-field position, centrable annuli and a filter tray, 4 positive phase contrast objectives, DIN Achromat, 10X, 20X(S), 40X(S), 100X(S)oil, centering telescope and green filter all in a wooden case.



MA273 DIN



RM-TH

OTHER ACCESSORIES AND SPARES

- MA150/50** Camera adapter for trinocular models (for use with separate T2 adapter ring.)
- MA150/60** Camera adapter with finder eyepiece for trinocular models. (Must be used with separate T2 adapter ring.)
- T2 adapters for all kinds of 35mm SLR cameras are available separately.
- MA151/10** CCTV "C" mount for use with TV camera on trinocular models
- MA280** Eyepiece micrometer, 10mm divided into 100 units. 19mm diameter.
- MA285** Objective micrometer, 0.01mm ruling
- MA275** Dark-field. Condenser 1.25 NA
- MA278** Dark-field central
- MA289/05** Blue filter, clear, 29mm diam.
- MA132** Wooden cabinet
- MA311** Spare bulb 6V 20W halogen for RM Series & MA268

RM-POL POLARIZING MICROSCOPE



RM-POL-B

SPECIFICATION

- Ball bearing rotating stage. 150mm diameter, graduated with vernier, and stage specimen clips.
- Ball-bearing quadruple objective changer with one fixed and three centerable objective apertures.
- Analyzer, in slide for E-W insertion.
- Bertrand lens field-limiting stop, in slide for E-W insertion.
- Polarizer in swing-out clip/clamp mount, fully rotatable with click stops at 0° and 90°.
- Slide opening in limb for insertion of DIN standard 20mm×6mm compensators, slideway SE-NW (Mica 1/4 wave plate and sensitive tint plate included).
- Strain free Abbe Condenser, N.A. 1.25, with aperture iris diaphragm and swing-out filter holder.
- Binocular body, 30° inclination, with multiple-coated, high transmission prism system. Attachment fitting slotted for correct orientation. Dove-tail slider interocular adjustment and dioptic compensation facility incorporated in one eyetube.
- One eyetube slotted for 90° and 45° orientation of cross-line eyepiece.

Size and Weight:

RM-POL-B Binocular 180mm(W)×240mm(D)×412mm(H), Net weight 6.4kg

RM-POL-T Trinocular 180mm(W)×240mm(D)×453mm(H), Net weight 6.5kg

Ordering information

MODEL NO.	BODY	OBJECTIVES (DIN)	EYEPIECES (DIN)	ILLUMINATOR
RM-BH/05	Binocular	S.Flat 4X 10X 40XS Ach.100XS oil	HWF10X	Halogen lamp 6V 20W
RM-BH/10			H10X H15X	
RM-BDS/05			HWF10X	115V, 220/240V 20W Silvered lamp
RM-BDS/10			H10X H15X	
RM-TH/05	Trinocular	S.Flat 4X 10X 40XS Ach.100XS oil	HWF10X	Halogen lamp 6V 20W
RM-TH/10			H10X H15X	
RM-BH-PH/01	Binocular	DIN ZERNIKE Phase 10X 20XS 40XS 100XS oil	HWF10X	Halogen lamp 6V 20W
RM-TH-PH/01	Trinocular		HWF10X	
RM-POL-B	Binocular	Achromat, Strain-free 4X 10X 40XS	HWF10X	Halogen lamp 6V 20W
RM-POL-T	Trinocular		HWF10XF with cross-line	
RM-POL-M	Monocular		HWF10XF with cross-line	

Please specify mains voltage when ordering.

Agent :



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