

VT series INVERTED MICROSCOPE

BINOCULAR AND TRINOCULAR MODELS
Infinity Corrected high quality optics

Inverted Routine microscope for the examination of tissue culture, living protozoa in natural form in the petri dishes and culture bottles.



ISSCO

Ph.(02) 9743 2588
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Model VT-B-2

MEIJI VT
TECHNO series

INVERTED MICROSCOPE

MAIN FEATURES:

VIEWING HEAD:

Binocular head inclined at 30° rotatable through 360°, with multi-coated high transmission prisms. Each eyetube is provided with a graduated dioptr adjustment. Interpupillary distance is adjustable between 52mm and 72mm. (Models VT-B-1, VT-B-2 and VT-B-PC)

Trinocular head inclined at 30° rotatable through 360°, with multi-coated high transmission prisms. A sliding beam-splitter allows all the light to the eyepieces or directs 80% to the camera system and 20% to the eyepieces. Each eyetube is provided with a graduated dioptr adjustment. Interpupillary distance is adjustable between 52mm and 72mm. (Models VT-T-1, VT-T-2 and VT-T-PC)

OBJECTIVE CHANGER:

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

EYEPIECES DIN STANDARD:

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

OBJECTIVES DIN STANDARD:

Infinity corrected high quality long working distance objectives. All objectives are parcentred, parfocal and fully antireflection coated. Correction for specimen cover is 1.2mm.

STAGE:

Square plain stage of 180mm(W) x 200mm(D) (Models VT-B-1 and VT-T-1) or with Mechanical stage, movement 112mm(X) x 72mm(Y), with low positioned coaxial controls, with a test plate holder (Models VT-B-2, VT-B-PC, VT-T-2 and VT-T-PC).

CONDENSERS:

Extra long working distance condenser of N.A.0.30, W.D.55mm or Long working distance condenser of N.A.0.55, W.D.21mm, with an aperture diaphragm and 40mm diameter filter in mount. Condenser is focuable by rack and pinion mechanism.

FOCUSING MOVEMENT:

The coaxial low level coarse and fine focusing controls with graduation reading 2 microns per division is fitted with a tension adjustment.

LIGHT SOURCE:

The high intensity tungsten 6V, 20W lamp is provided with an intensity control.

BASE:

The 180mm x 240mm wide stable base fitted with rubber anti-skid feet.

SIZE & WEIGHT:

approx. 260mm(W) x 435mm(D) x 450mm(H), 8kg



Model VT-B-2

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OBJECTIVES AND EYEPIECES SPECIFICATIONS

Optical correction for specimen cover is 1.2mm.

Infinity corrected S. Plan LWD objectives
Objectives for examination of tissue culture

CAT.NO.	Mag.	N.A.	Field	W.D.	F.L.
MA340	4X	0.10	4.5mm	14.95mm	50mm
MA341	10X	0.25	1.8mm	6.64mm	20mm
MA342	20X	0.40	0.9mm	4.49mm	10mm
MA343	40X	0.65	0.45mm	0.78mm	5mm

Infinity corrected S. Plan LWD Ph objectives
Objectives for examination of tissue culture under
Phase contrast

CAT.NO.	Mag.	N.A.	Field	W.D.	F.L.
MA346	10X	0.25	1.8mm	6.64mm	20mm
MA347	20X	0.40	0.9mm	4.49mm	10mm
MA348	40X	0.65	0.45mm	0.78mm	5mm

DIN Eyepieces:

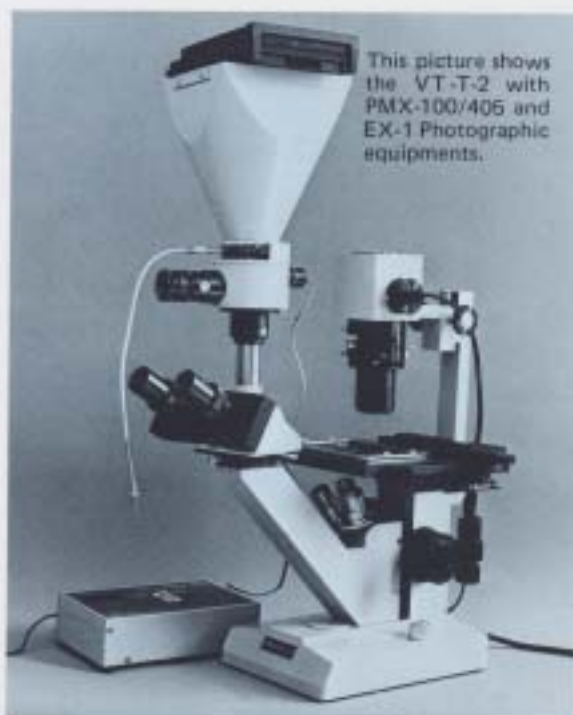
CAT.NO.	Mag.	Field	Eyepoint	F.L.
MA406	HWF10X	18 mm	24.0 mm	25mm



Model VT-T-1



Model VT-B-PC



This picture shows the VT-T-2 with PMX-100/406 and EX-1 Photographic equipments.



This picture shows the VT-T-2 with CK1000 and monitor.

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MA374 LWD Condenser, N.A.0.55, W.D. 21mm with Phase annulus for 10X, 20X and 40X Phase objectives.
MA377 Clear Green filter, G533,
MA346 S-Plan LWD Ph 10X,
MA347 S-Plan LWD Ph 20X,
MA348 S-Plan LWD Ph 40X,



MA380 Attachable Mechanical Stage, movement 112(X) x 72mm(Y), with test plate holder, with drop down controls



MA381 60mm diam. petri dish holder
MA382 1" x 3" Slide glass holder
MA383 Chamber holder

ACCESSORIES

EYEPIECES (DIN)

MA406 Widefield, High Eyepoint, 10X (HWF10X) (included)

MA408 Widefield, High Eyepoint, 15X (HWF15X)

OBJECTIVES (INFINITY CORRECTED)

(Optical correction for specimen cover is 1.2mm.)

MA340 S-Plan 4X, N.A.010 (included)

MA341 S-Plan LWD10X, N.A.0.25 (included in the models VT-B-1, VT-B-2, VT-T-1 and VT-T-2)

MA342 S-Plan LWD20X, N.A.0.40 (included in the models VT-B-1, VT-B-2, VT-T-1 and VT-T-2)

MA343 S-Plan LWD40X, N.A.0.65 (included in the models VT-B-2 and VT-T-2)

MA346 S-Plan LWD Ph10X, N.A.0.25 (included in the models VT-B-PC and VT-T-PC)

MA347 S-Plan LWD Ph20X, N.A.0.40 (VT-B-PC and VT-T-PC)

MA348 S-Plan LWD Ph40X, N.A.0.65 (VT-B-PC and VT-T-PC)

CONDENSERS

MA372 ELWD Condenser, N.A.0.30 (included in the models VT-B-1, VT-B-2, VT-T-1 and VT-T-2)

MA373 LWD Condenser, N.A.0.55 (included in the models VT-B-2 and VT-T-2)

MA374 LWD Condenser, N.A.0.55 with Phase annulus in sliding mount (included in the models VT-B-PC and VT-T-PC)

MA458 Centering telescope (included in the models VT-B-PC & VT-T-PC)

MA375 Slider with phase annulus

FILTERS

MA376 Frosted Blue filter, 40mm diam. in mount (included)

MA377 Clear Green filter, 40mm diam. in mount (included in the models VT-B-PC and VT-T-PC)

VT Series INVERTED MICROSCOPE ORDERING INFORMATION

COMPONENTS	MODELS					
	VT-B-1	VT-B-2	VT-B-PC	VT-T-1	VT-T-2	VT-T-PC
Binocular head inclined at 30°	○	○	○			
Trinocular head inclined at 30°				○	○	○
DIN HWF10X Eyepiece, field No. 18	○	○	○	○	○	○
Set of S. Plan objectives, 4X, LWD10X, LWD20X	○			○		
Set of S. Plan objectives 4X, LWD10X, LWD20X, LWD40X		○			○	
Set of S. Plan Phase objectives LWD Ph10X, LWD Ph20X, and S. Plan 4X.			○			○
Plain square stage	○			○		
With mechanical stage, movement 112mm(X) x 72mm(Y)		○	○		○	○
ELWD Condenser, N.A.0.30, W.D.55mm	○	○		○	○	
LWD Condenser, N.A. 0.55, W.D.21mm		○			○	
LWD Condenser, N.A. 0.55 with Phase annulus in sliding mount			○			○
Centering telescope			○			○
Blue filter (frosted)	○	○		○	○	
Green filter (clear) G533			○			○
Illuminator 6V, 20W Halogen	○	○	○	○	○	○

OTHER ACCESSORIES

MA380 Mechanical Stage, movement 112(X) x 72mm(Y), with test plate holder, with drop down controls (included the models VT-B-2, VT-B-PC, VT-T-2 and VT-T-PC)

MA381 60mm diam. petri dish holder

MA382 1" x 3" Slide glass holder

MA383 Chamber holder

MA311 Spare halogen bulb, 6V, 20W

PHOTOGRAPHIC AND TV EQUIPMENTS

PMX100/405 Large format photomicrographic camera with #405 Polaroid 3 1/4" x 4 1/4" pack film holder. Film holder is interchangeable with other pack film holders and roll film holder.

EX-1 Exposure meter for use with PMX-100

MA136 Carrying Case for PMX100 and EX-1

MA150/60 Camera attachment with finder for 35mm SLR camera. To use with the models VT-T, Need to use a T2 adapter and photo eyepiece.

MA512 Photo eyepiece 2.5X

MA508 Photo eyepiece 5X

MA500 Photo eyepiece 3.3X with reticule mount

T2 Adapter rings.

T2-1 Canon T2-2 Minolta T2-3 Pentax K

T2-4 Pentax S T2-5 Nikon T2-6 Olympus

T2-7 Contax T2-8 Konica T2-9 Canon EOS

T2-10 Minolta (Make and model of camera must be specified when ordering.)

MA151/10 "C" Mount for use with VT-T to connect with TV camera

CK1000 Color TV Camera, 2/3" CCD with control unit Horizontal resolution 330 lines, NTSC

CK3600 Color TV Camera, 1/2" CCD with AC Adapter Horizontal resolution 420 lines, NTSC

PG1000 Video Pointer Unit



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