

High Quality Step Magnification Microscope - OTJ Series



Binocular Microscope
Ref. No : OR12 B001
Model : OTJ-B7500P



Trinocular Microscope
Ref. No : OR12 B002
Model : OTJ-T8500IL

- OTJ-B7500P : Equipped with 45 degree Binocular body and pillar stand without light source.
- OTJ-T8500IL : Equipped with 45 degree Trinocular body and arm stand with light source

Features

- Wide field eyepiece: WF10X (dia. 20mm)
- Coarse focus adjustment knob with slipping protection.
- Objective: 1X,2X, working distance: 110mm
- Objective: 1X,3X, working distance: 102mm
- Objective: 2X,4X, working distance: 90mm

Zoom Microscope - ZTX



Features

- Magnification: 1X – 4X. Continuous zoom
- High working distance 100mm
- Eyepiece: WF-10X, WF-15X and WF-20X

Ref. No : RX12 C001
Model : ZTX-E

Biological Microscope



Ref. No : MD12 D001
Model : B5

- Motic B5 is a versatile high quality laboratory microscope.

Features

- An optical configuration in which the objective forms an image at infinity, and a secondary tube lens forms an image at the intermediate image plane.

Technical Specifications

- | | |
|-------------------------------|--|
| Magnification Range | : 4X-100X |
| Optical System | : Infinity System
Parfocal Distance 45mm |
| Nosepiece | : Reversed quintuple revolving with ball bearings |
| Stage | : Rectangular 140mm×135mm surface area.
Cross travel range 78mm×50mm using low positioned coaxial control knob. |
| Substage | : Rack and pinion, vertical range of movement 28mm |
| Contrasting Techniques | : Phase contrast: Darkfield; Polarization |

Wide Range of High Quality Accessories



Eyepiece



Fiberoptic Light Source
Ref. No : OR12 AB01



DIMAS Imaging System



Fluorescent Lighting



CCD Camera



Auxiliary Lens

Images 2000 Version software

Features

Allow :

- | | |
|--------------------------|------------|
| 1. Capture still images | 5. Enhance |
| 2. Measure | 6. Count |
| 3. Distant image sharing | 7. Report |
| 4. Amalgamate images | 8. Record |

Inspection Portable Zoom Microscope



Features

- Adjustable magnification from 10x to 30x or 60x to 100x
- Illumination that is ideal for examination of surface condition of various materials
- Light weight and portable

Ref. No

PA12 E001

PA12 E002

Model

BF-959 (30x)

BF-964 (100x)

Light Scope



Applications:

Automobiles	: Engines, transmissions, differentials, air conditioners.
Industrial Machinery	: Engines, transmission, inside hydraulic pipes.
Gas	: Inside pipes and exhaust openings
Air & Spacecraft	: Turbine blades, combustion chamber interiors, rocket engines.
Sewers	: Inside pipes, toilet clogs, other plumbing problems.
Petrochemical plants	: Process plumbing, water supply pipes, pressure storage tanks.
Vessels	: Boiler interiors, turbine interiors, diesel engines

Features

- Diameter of 8mm at tip for tight locations inspection
- Water-resistant cable
- Adjust focus distance from infinity to 10mm

Technical Specifications

Type	Scope		Cable	
	Ref. No	Model	Minimum Bend Radius	Effective length
Iterlock Type (maintains any curve state)	MX12 F001	MSPI-1000 III	100mm	1000mm
	MX12 F002	MSPI-2000 III		2000mm
	MX12 F003	MSPI-3000 III		3000mm
	MX12 F004	MSGI-1350 III		1350mm
Flexible Type (flexible for insertion down pipe shapes)	MX12 F005	MSPS-1000 III	40mm	1000mm
	MX12 F006	MSPS-2000 III		2000mm
	MX12 F007	MSPS-3000 III		3000mm
	MX12 F008	MSGS-1350 III		1350mm



Side View Adapter (90°)

Bore Scope



Applications:

- Manufacturing industry** : Quality control (internal/external), non-destructive inspections close-up visual inspections of die holes.
- Firearms** : Inspection of small arms, illuminate bullets and barrel, inspect chamber and bullets.
- Transportation** : Inspection of engines, pistons, door lock mechanisms, and aircraft turbine blades.
- Construction** : Inspection of security systems, building maintenance.
- Observation of insect and other organisms.**

Features

- No distortions, blurring, or other lens aberrations.
- Possible to focus on objects from arbitrary distance to scope tip.
- Attach a digital camera or digital video camera using special digital conversion adapter.
- Attach side-view adapter and rotate to get 360° side viewing angle.

Technical Specifications

Ref. No		Diameter	Effective Length	Viewing Direction	View	Angle
MX12 G001	(Scope)	2.4mm	102mm		Direct	32°
MX12 G002	(90° Adapter)	3.0mm	95mm		90° side view	32°
MX12 G003	(Scope)	2.4mm	185mm		Direct	32°
MX12 G004	(90° Adapter)	3.0mm	195mm		90° side view	32°
MX12 G005	(Scope)	4.2mm	180mm		Direct	37°
MX12 G006	(90° Adapter)	5.0mm	161mm		90° side view	37°
MX12 G007	(Scope)	4.2mm	305mm		Direct	37°
MX12 G008	(90° Adapter)	5.0mm	286mm		90° side view	37°
MX12 G009	(Scope)	4.2mm	435mm		Direct	37°
MX12 G010	(90° Adapter)	5.0mm	416mm		90° side view	37°
MX12 G011	(Scope)	6.35mm	180mm		Direct	42°
MX12 G012	(90° Adapter)	8.0mm	160mm		90° side view	42°
MX12 G013	(Scope)	6.35mm	305mm		Direct	42°
MX12 G014	(90° Adapter)	8.0mm	285mm		90° side view	42°
MX12 G015	(Scope)	6.35mm	435mm		Direct	42°
MX12 G016	(90° Adapter)	8.0mm	415mm		90° side view	42°



Light and portable, easy to reach tight locations.



Rotor

Lupes



1961



1962



1964



1975



2016



2037

Peak Lupes

Magnification	Dia.	Ref. No	Model
10x	24mm	PE12 H001	1961
15x	19mm	PE12 H002	1962
22x	19mm	PE12 H003	1964

Scale Lupe

Magnification	Dia.	Ref. No	Model
7x	24mm	PE12 H004	1975
15x	20mm	PE12 H005	2016
30x	7mm	PE12 H006	2037

Lupes



1976 / 2004

Scale Lupe Set - consists of 5 scales

Magnification	Dia.	Ref. No	Model
7x	-	PE12 H007	1976
10x	-	PE12 H008	2004



2044

Zoom Lupe 816

Magnification	Dia.	Ref. No	Model
8x-16x	20φ -10φ	PE12 H009	2044



1966

Light Lupe

Magnification	Dia.	Ref. No	Model
10x	-	PE12 H010	1966



1998



2028



2016-L



2037-L

Light Scale Lupe

Magnification	Dia.	Ref. No	Model
7x	-	PE12 H001	1998
10x	-	PE12 H012	2028
15x	20mm	PE12 H013	2016-L
30x	-	PE12 H014	2037-L



2001 series

Pocket Microscope

Magnification	Dia.	Ref. No	Model
25x	3.30mm	PE12 J001	2001-25
50x	2.00mm	PE12 J002	2001-50
75x	1.09mm	PE12 J003	2001-75
100x	0.84mm	PE12 J004	2001-100



2036 series

Pocket Measuring Microscope

Magnification	Dia.	Ref. No	Model
25x	3.30mm	PE12 J005	2036-25
50x	2.00mm	PE12 J006	2036-50



2050 series

Pocket Microscope EIM

Magnification	Dia.	Ref. No	Model
25x	3.50mm	PE12 J007	2050-25
50x	1.70mm	PE12 J008	2050-50
75x	1.10mm	PE12 J009	2050-75
100x	0.86mm	PE12 J010	2050-100



2008 series

Stand Microscope

Magnification	Dia.	Ref. No	Model
25x	3.30mm	PE12 J011	2008-25
50x	2.00mm	PE12 J012	2008-50
75x	1.09mm	PE12 J013	2008-75
100x	0.84mm	PE12 J014	2008-100



2034 series

Wide Stand Microscope

Magnification	Dia.	Ref. No	Model
20x	7.20mm	PE12 J015	2034-20
40x	3.60mm	PE12 J016	2034-40
60x	2.40mm	PE12 J017	2034-60
100x	1.45mm	PE12 J018	2034-100
150x	0.96mm	PE12 J019	2034-150
200x	0.72mm	PE12 J020	2034-200

Magnifying Flourescent Light



Universal Clamp Type



Desktop Universal Arm and Pole Type



Technical Specifications

Magnification range: 3x, 5x, 8x, 10x

Ref. No	Model
RX12 K001	RV-C-3
RX12 K002	RV-C-5
RX12 K003	RV-C-8
RX12 K004	RV-C-10
RX12 K005	RV-DC-3
RX12 K006	RV-DC-5
RX12 K007	RV-DC-8
RX12 K008	RV-DC-10
RX12 K009	RV-DB-3
RX12 K010	RV-DB-5
RX12 K011	RV-DB-8
RX12 K012	RV-DB-10

Digital Imaging

If you do not yet have a camera but already have a microscope, we can provide:

Digital & Digital / Analog Cameras

Includes adapters for eyepieces on 3rd tube. Can transform any microscope into a digital microscope.
Can also be used without a microscope for other demonstrations.

DIGITAL & DIGITAL / ANALOG CAMERAS

Output to TV monitor only : 330TV lines resolution Moticom 330
Output to a computer only : Motic images 2000 software (Moticam 350)
Output to a computer and / or a TV monitor : Motic images plus software (Moticam 480)

Moticam 330



Ref. No : M012 ACM1
Model : Moticam 330



Moticam 330 Standard Package

Moticam 330 provides 330 TV lines of resolution, giving you excellent contrast and detailed images on your TV monitor.

Moticam 350



Ref. No : M012 ACM2
Model : Moticam 350



Moticam 350 Standard Package

Small and lightweight, Moticam 350 connects to any PC running Windows 98, 2000, ME or XP through the computer's USB port, eliminating the need for an additional power supply. Use with almost any microscope by simply attaching the CCD (Charge coupled device) lens and eyepiece adapter to the microscope's eyepiece. Camera measures 6.6cmL x 4.8cmW x 3.8cmH.

Moticam 480



Ref. No : M012 ACM3
Model : Moticam 480



Moticam 480 Standard Package

Moticam 480 has all of the features of our Moticam 350, with the added benefit of both digital and analog outputs. These separate outputs allow you to connect the camera to a computer or a TV monitor, or better yet, both at the same time. Included is the feature-rich Images 2000 1.3 software which can help you integrate 640 x 480 pixels images into lesson plans and laboratories. Camera measures 11.2cmL x 10cmW x 5.6cmH.

Inspection Mirrors

**Features**

It has versatile all-angle ball joint with telescopic handle

Mirror size :	618 - 5380k	2 ¼" Ø
	618 - 5420k	1 ¼" Ø

Ref. No

KE12 L001

KE12 L002

Model

Ken-618-5380K

Ken-618-5420K

Safety Inspection Worklight



Ref. No : PN12 M001

Model : 1900

Submersible to 500 ft. Made of an unbreakable hi-impact Xenoy® resin.

Focused beam is 400% brighter than ordinary pocket lights. Shirt clip, laser spot lamp module, Litebender.

Technical Specifications

Batteries	2 AAA Alkaline
Tested lumen value	7.0
Candlepower	6,000
Watts	1.11
Approvals	SA, UL, Class 1 Div. 1, CE, EX
Length	4 ¾"
Colors	Black, Yellow, Orange, Blue, White, Neon Green



Ref. No : PN12 M002

Model : 2300

Water resistant. Made of Xenoy® unbreakable chemical resistant resin with polycarbonate lens and ABS shroud. Focused Xenon modified spot beam is 600% brighter than ordinary personal lights. Laser spot lamp module available upon request.

Technical Specifications

Batteries	2 AA Alkaline (included)
Tested lumen value	8.8
Candlepower	8,000
Watts	1.8
Approvals	FM, SA, UL, Class 1 Div. I, CE, EX, MSHA
Length	5 ⅝"
Colors	Black, Yellow



Ref. No : PN12 M003

Model : 2400

Water-resistant. Unbreakable ABS body with polycarbonate lens. Laser spot Xenon lamp module with an unsurpassed white collimated light beam. One-handed safety switch operation, double shock mounted battery compartment and black lanyard. 4 hour battery burn time.

Technical Specifications

Batteries	4 AA Alkaline
Tested lumen value	31.5
Candlepower	10,000
Watts	3.18
Approvals	FM, SA, UL, Class 1 Div. I, CE, EX, MSHA
Length	6 ½"
Colors	Black, Yellow, Orange