

General Purpose Magnifiers

A range of magnifiers most with unbreakable frames and lenses and designed to assure optimal light transmission. The Polymethyl lenses have a hard abrasion resist coating, index matched to further improve light transmission. The Easy-Hold handles can be held with equal facility in either hand. The rectangular lenses are ideally suited for low magnification applications with a large field of view requirement. For higher magnification uses the round lenses are better suited with lighter frames and a fully efficient lens shape.

Hand Magnifiers

Ergonomic design for relaxed use with either hand

- | | |
|---|--------------------------------|
| M369/1.7 Rectangular 1.7X WD 355mm | M369/4 Round 4X WD 93mm |
| M369/2.3 Rectangular 2.3X WD 187mm | M369/6 Round 6X WD 53mm |
| M369/3 Round 3X WD 130mm | |



Fixed Stand Magnifiers

Circular lenses with cantilever lens heads for maximum ambient light up to the highest powers.

- | | |
|------------------------------|------------------------------|
| M370/6 6X WD 53mm | M370/12 12X WD 27.5mm |
| M370/8 8X WD 41mm | M370/15 15X WD 22.7mm |
| M370/10 10X WD 32.3mm | M370/20 20X WD 18.2mm |



- M166** Large Aspheric **Rectangular** Stand Magnifier 2.8X, size 98 x 74mm. Has low astigmatism whilst covering a large area. WD 125mm
- M165** Small Aspheric **Rectangular** Stand Magnifier 3.5X, size 64 x 52mm. Optical features as M166. WD 94mm



M165/166

Tilting Stand Magnifiers

Circular lenses with cantilever lens heads for maximum ambient light up to the highest powers and tilting stand for easy under-the-lens access.

- M371/3** 3X WD 130mm
M371/4 4X WD 93mm



Eye Magnifiers

E060 Twin lens eyeglass 10x & 15X

Single magnification convenient for hands-free close up work. The plastic mount can be gripped easily by the eye for strain-free long term operations.

- | | | |
|--------------------------|--------------------------|--------------------------|
| M374/4 4X WD 83mm | M374/5 5X WD 62mm | M374/7 7X WD 42mm |
| M374/9 9X WD 31mm | M374/15 15X | M374/20 20X |



E060

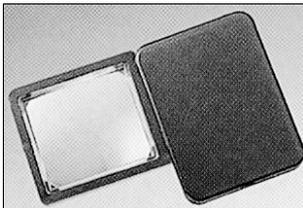
Illuminated Pocket Magnifiers

Shaped and styled to provide a compact lightweight magnifier which can be comfortably carried in a pocket. Combines the latest computer generated Bi-Aspheric lenses free of distortion plus abrasion resistant coating for improved light transmission. Comes with pre-focus tungsten illumination powered by two AA batteries. The result is excellent optical results with an even pool of light illuminating the object.

- | | | |
|----------------------------|----------------------------|--------------------------|
| M375/3 3X WD 125mm | M375/5 5X WD 63mm | M375/7 7X WD 42mm |
| M375/9 9X WD 31.5mm | M375/11 11X WD 11mm | |
- Includes black protective pouch but *not* 2 x 1.5V batteries



WD = Working Distance or Focal Length of Lens



Folding Pocket Magnifier

A convenient magnifier for field or laboratory use which swivels in and out of a strong plastic case.

M376 3.2X folding magnifier 33 x 29mm WD 115mm



Aspheric Folding Magnifier

A double lens pocket magnifier folding neatly into a protective plastic case. Lens 25mm Ø magnifications 3.4X & 5X

M377 Duplex pocket magnifier 3.4X & 5X WD 103/63mm

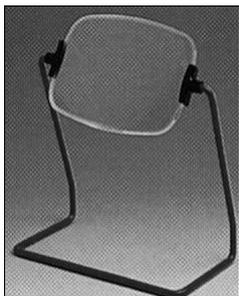


Folding 10X Magnifiers

Useful for numerous examinations in the laboratory or darkroom this 10X magnifier is available with glass lenses in an aluminium or plastic frame. The **plastic** framed model has optical correction for astigmatism.

M056 Folding magnifier X10 with aluminium frame, leather case

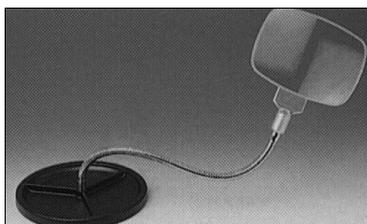
M057 Folding magnifier X10 with plastic frame and achromatic correction



Clear View Stand Magnifier

A high quality bench magnifier providing a large field of view and excellent depth of field. Ideal for slides, Petri dishes, multi-well plates and text. The stand allows the lens to be placed over a variety of objects. Lens size 140 x 100mm, magnification 1.7X. Stand 171mm high.

M378 Clear view stand magnifier 1.7X WD 400mm



Flexi Magnifiers

The same high quality lens as fitted to the Clear View magnifier 140 x 100mm, 1.7X magnification with flexible arm attached to table clamp or weighted black base - as shown.

M379/B Flexi magnifier on black base WD 400mm

M379/C Flexi magnifier with table clamp WD 400mm



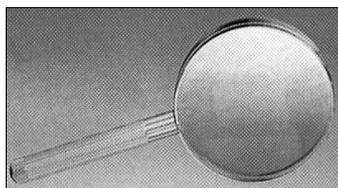
Windsor Hand Magnifier

A robust plastic simple hand magnifier with three magnification options

M381/4.4 4.4X lens Ø 48mm WD 73mm

M381/2.6 2.6X lens Ø 70mm WD 157mm

M381/2.3 2.3X lens Ø 98mm WD 188mm



Victoria Hand Magnifier

A metal framed bi-aspheric magnifier with a magnification of 2.25X WD 200mm

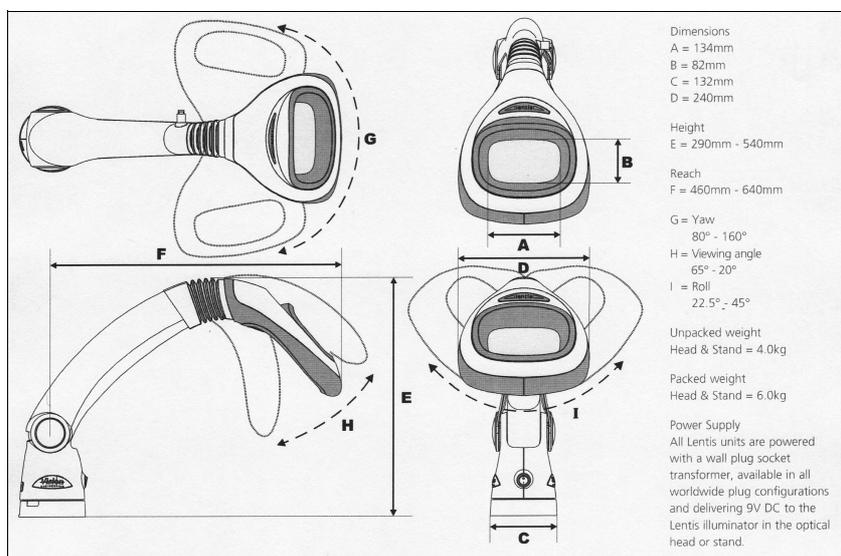
M097 Chrome **M382/B** Black **M382/R** Red **M382/G** Gold finish (gilded)

WD = Working Distance or Focal Length of Lens

Premium Illuminated Bench Magnifier

The **Lentis** from Vision Engineering is a stunning, state of the art, high performance, top quality bench magnifier with a 2.5 dioptre lens (very approximately 1.75x) providing optimal magnification with a field of view and working distance for maximum comfort. The arm and multi-directional lens are separately adjustable and have great stability. The high specification rectangular optical lens gives maximum coverage and minimal distortion over the entire field of view. The lens is finished with a multi-layer anti-reflective coating to minimise ambient interference. Long life (2000 hrs), ultra bright, reflected twin fluorescent illumination for superb image clarity and colour rendition. Ultra modern stand design eliminates dust traps. Delivered with swivelling arm on spigot base to screw to bench top or G clamp for edge of bench clamping. WD 80-250mm FOV 250mm

- M538** Lentis 230v 50Hz complete with screw base, G clamp and dust cover
- M538/L1** Optional Lentis 3 dioptre "Slip-in" booster lens (making 5 dioptres)
- M538/F** Replacement 4w fluorescent lamp



Traditional Illuminated Bench Magnifier

The Allen Vanguard M7 and M76 are top quality illuminators designed along traditional lines. The standard M76 model has an adjustable spring balance arm reaching 450mm at full extension. The long reach M7 model features a twin elbow spring balance arm and will extend to 850mm, making it particularly suitable for large work pieces or large area viewing. 2x magnification is provided by the 130mm diameter, precision ground and polished optical crown lens, giving a crystal clear view of the subject over a wide range of viewing distances. 4x magnification is available by addition of the 4x conversion kit. Illumination is provided by a shadow free, 22 watt, circular fluorescent lamp (M76T). The bright, 'cool white' colour temperature makes detailed inspection at increased magnification simple and accurate. These illuminated magnifiers feature a translucent lamp cover that reduces rapid changes in relative luminosity (brightness) in front of the eye, making these lamps easy on the eye. Mounting is made simple by the choice of either a weighted, free standing table base (TB) or a bench/machine clamp (TC). **Bases must be ordered separately.** All listed lamps are 230v 50Hz.

- | | |
|--|--|
| M539 M76 Standard reach magnifier | M539/LR M7 Long reach magnifier |
| M539/L 4x conversion kit MKX4 | M539/B Weighted free standing base TB |
| M539/BC Bench/machine clamp TC | M539/F Spare lamp M76T 22w |



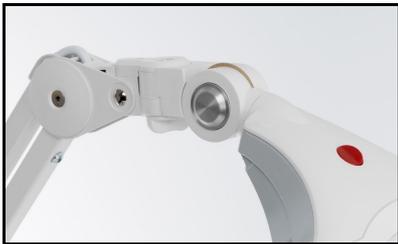
WD = Working Distance or Focal Length of Lens

Magnifiers and Stereoscopes



Ultra Slim Magnifying Lamp

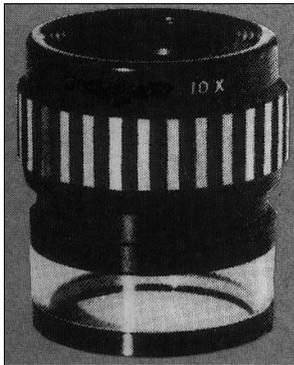
1.75x magnifier with bright 28w Daylight™ light, 17.5cm/7" XR™ lens and the new Free-Motion head-joint, this lamp combines the latest innovations in lighting design at a practical price. These new features make the lamp reliable and extremely easy to operate. The Daylight™ energy saving tube ensures that you have plenty of comfortable "daylight" to work with. The XR technology™ makes the lens 50% lighter, extra resistant and easy to clean. In addition the new head-joint guarantees precise and smooth positioning of the lamp without constantly having to tighten the wing-nut. The lamp includes an electronic ballast so you can work longer in comfortable light and it has a Quick Lens Swap System™ so you can increase the magnification in seconds without any tools. Comes with G clamp base for edge of bench as standard. **Please order heavy free standing table base and supplementary lenses separately if required.**



- M386/1** Ultra Slim magnifying lamp 1.75x mag, 230v 50Hz with G clamp
- M387** Heavy free-standing table base
- M386/L2** Supplementary lens 2.25x
- M386/L3** Supplementary lens 3x
- M386/L4** Supplementary lens 4x

Peak Measuring Magnifiers

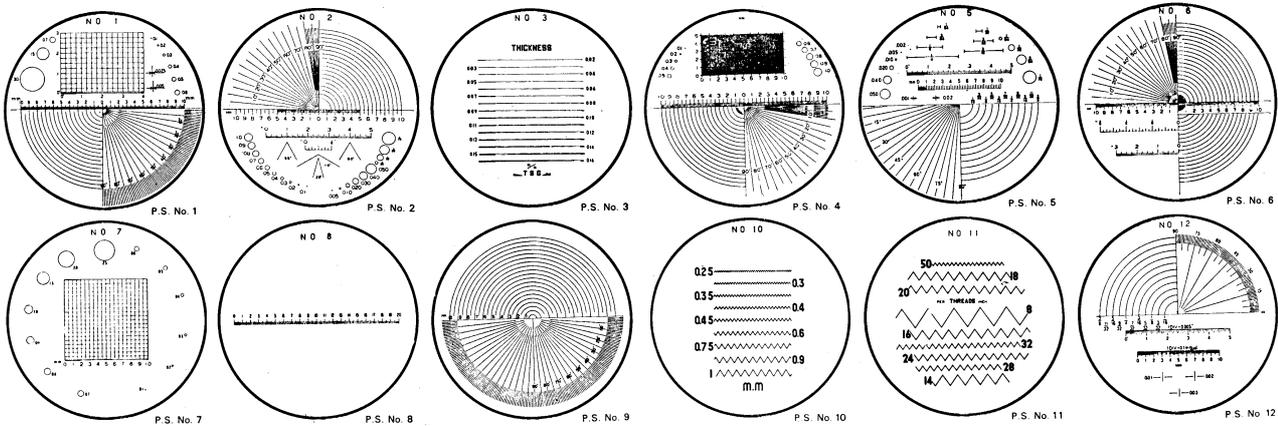
Measuring Magnifier X10



A high quality magnifier with four bloomed lenses corrected for achromatic and astigmatic error with a field of view of 35mm. The focusing ring enables the graticule to be brought into sharp focus. A scale is included with this model. The lower part of the magnifier consists of transparent tube allowing excellent illumination. A range of 12 graticules is available for this model.

- M083** Measuring magnifier X10 complete with case each

Graticules for Measuring Magnifier M083



- | | | | | | |
|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|
| M085/01 x7 PS-1 | M085/02 x7 PS-2 | M085/03 x7 PS-3 | M085/04 x7 PS-4 | M085/05 x7 PS-5 | M085/06 x7 PS-6 |
| M085/07 x7 PS-7 | M085/08 x7 PS-8 | M085/09 x7 PS-9 | M085/10 x7 PS-10 | M085/11 x7 PS-11 | M085/12 x7 PS-12 |
| M086/01 x10 PS-1 | M086/02 x10 PS-2 | M086/03 x10 PS-3 | M086/04 x10 PS-4 | M086/05 x10 PS-5 | M086/06 x10 PS-6 |
| M086/07 x10 PS-7 | M086/08 x10 PS-8 | M086/09 x10 PS-9 | M086/10 x10 PS-10 | M086/11 x10 PS-11 | M086/12 x10 PS-12 |

Anastigmatic Loupe X4

Specially designed to give a large area of undistorted view, this magnifier has a corrected lens system giving extremely sharp definition up to 58mm diameter. The 25mm high eyepoint allows the observer to view the whole field by moving only the eyeball. A smooth focusing device is provided to accommodate individual user eyesight corrections. A detachable 50mm glass scale divided into 0.1mm divisions is provided. Dimensions 73mm high x 70 mm diameter

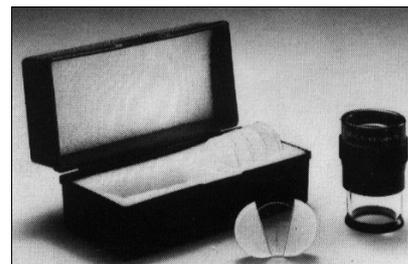
M109 Anastigmatic loupe 4X



Measuring Magnifier Set X7

A high quality magnifier supplied in a transit case containing 5 different graticule scales. Those normally supplied are numbers 2, 3, 7, 8 and 10. Others may be specified to meet user requirements.

M058 Measuring magnifier set X7



Measuring Magnifier X15

A four lens highly corrected magnifier with a field of view of 26mm. Supplied with a standard glass scale. By observing through the magnifier resting on the object to be examined, one can measure easily the length, the angle between two straight lines and the radius of curvature of a circular arc.. Additional graticules numbers 1, 2 and 8 are available which have the same major dimensions as the M085 range but the FOV is different.

M101	Measuring magnifier X15	each
M102/01	Graticule no. 1	each
M102/02	Graticule no. 2	each
M102/08	Graticule no. 8	each



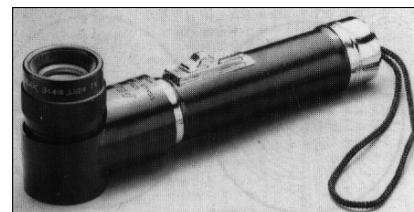
Note: These graticules are for this magnifier (M101) only

Illuminated Measuring Magnifiers

Illuminated Measuring Magnifier X7

This magnifier incorporates a torch (flashlight) handle which contains two C cell batteries (not provided). The high quality lens has a 20mm scale with 0.1mm divisions. Two further graticules are available.

M100 Illuminated measuring magnifier X7



Illuminating Magnifiers X3.5, X10 and X15

Similar to M100 above, these illuminated measuring magnifiers offer a choice of three models with different magnifications. The x3.5 model has a large square lens of dimensions 53mm x 53mm. The torch handle is removable. Two 'C' type batteries *not* included.

M112	Illuminated measuring magnifier X3.5
M113	Illuminated measuring magnifier X10
M114	Illuminated measuring magnifier X15



Magnifiers and Stereoscopes

Peak Fixed Focus Magnifiers

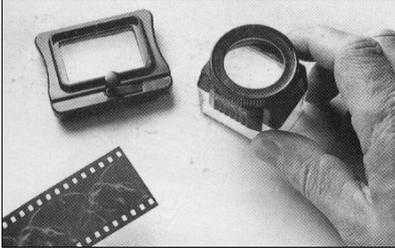
Fixed Focus Loupes



A complete range of economically priced fixed focus loupes with magnifications from 5X to 30X. Easy daylight viewing is achieved by the magnifier being fitted with a transparent tube. The 10X magnifier has a wide visual field, the 15X upwards have coated multi component achromatic lenses.

M103 Fixed magnifier 5X **M105** Fixed magnifier 15X
M104 Fixed magnifier 10X **M106** Fixed magnifier 22X

35mm Magnifier

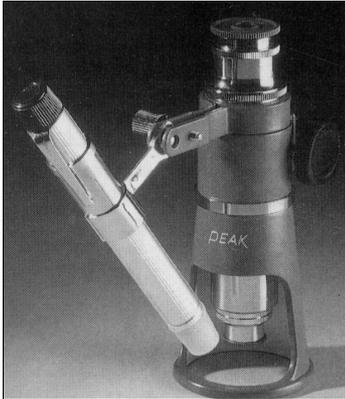


An 8X magnifier specially designed to cover the entire 24 x 36mm picture area of single frames of 35mm film. A transparent plastic mount on the bottom edge of the skirt is engraved with a 30mm long x 1mm division scale. Dimensions 46 x 49 x 39mm.

M107 Magnifier for 35mm film each

Measuring Microscopes

Hand Held Measuring Microscopes



A range of compact, lightweight measuring microscopes useful for higher magnifications where a hand held magnifier becomes unsuitable. Each is equipped with a measuring scale which is focused by an adjustable eyepiece. The workpiece is focused by a rack and pinion mechanism on the objective. There is a battery powered light that provides convenient illumination on the working surface. Four different magnifications are available x 20, x 40, x60, x100. Please state choice of graticule, millimetres or inches.

M139 Measuring microscope x20 **M141** Measuring microscope x60
M140 Measuring microscope x40 **M142** Measuring microscope x100

Brinell Microscope

A 20x microscope specially designed to measure the indentations made by a Brinell Hardness Tester. Available with metric or inch scales, please state preference. Minimum graduation 0.05mm (0.0025"). Field of view 7.2mm, measuring range 6mm. Vertical focusing movement 30mm.

M143 Brinell measuring microscope x20

Simple Stand Microscope

Simple, compact and lightweight incident light microscope with rubber eye ring. Good brightness, contrast and resolution give clear observation of specimen and scale. Smooth focusing ring, field of view 2mm. Dimensions 41.5mm Ø x 122mm high. Supplied in rigid plastic case.

M388 Stand microscope 50x

Pocket Measuring Microscopes

A portable measuring microscope providing a bright image with good resolution and with the scale incorporated into the lens barrel (graticule with 1cm divided into 100). Offering magnifications of 25 x or 50x, the microscope is 130mm long, has a pocket clip and is supplied in a case.

M398 Pocket microscope 25x **M399** Pocket microscope 50x

Pocket Prism Microscopes

A measuring microscope with a similar specification to M398 but incorporating an **erecting prism to give an upright image** and offering 25x, 50x, 75x and 100x mags. 111mm long, with pocket clip and case.

M394 25x **M395** 50x **M396** 75x **M397** 100x



M143



M388

M398-99



M394 -97

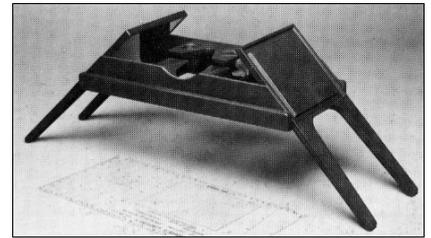


Stereoscopes

Folding Mirror Stereoscope

The mirrors of this stereoscope present an image of each photograph to each eye. The distance between the viewing mirrors is the normal interocular distance and the two images combine to give a relief model. Supplementary lenses can be swung into position to increase the magnification by 1.5x. Carries prints up to 220 x 220mm. Comes with a fitted carrying case. Total weight 3.3Kg

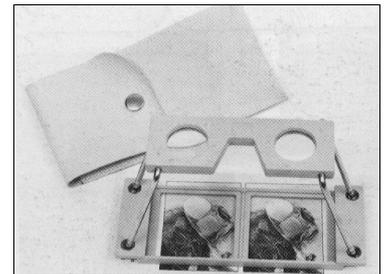
S239 Folding mirror stereoscope



Pocket Stereoscope

A lightweight yet rugged instrument, the lenses have a magnification of 2x with interocular adjustment from 55 to 75mm. Fitted with folding legs this version is supplied in a plastic case. The frame is of die-cast aluminium with stove black finish.

S079 Pocket stereoscope

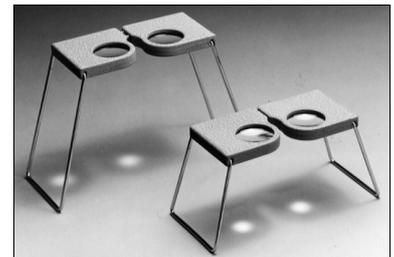


Stereo Viewers

These simple folding stereoscopes enable pairs of small photographs to be viewed in stereo. The interpupillary distance can be adjusted to suit the operator. The coated lenses are 32mm in diameter. Two models are available giving 2x and 4x magnification.

S139 Stereo viewer 2x

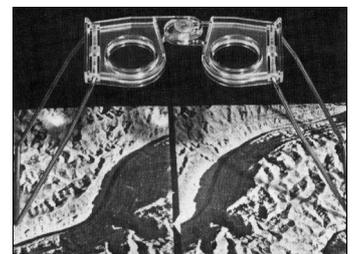
S133 Stereo viewer 4x



Plastic Folding Stereoscope

An economical folding stereoscope with plastic frames, integrally moulded lenses and metal legs. The two halves of the frame are hinged to permit interocular distance adjustments.

S240 Plastic stereo viewer



Stereo Lorgnette

An excellent design incorporating prismatic viewing for pictures mounted side by side. Focus is at the normal viewing distance allowing larger pictures to be viewed compared with other portable, folding stereo viewers. A folding distance piece allows the user to set the viewer at the correct plane relative to the eyes.

S372 Stereo Lorgnette



Polaroid & Stereo Spectacles

Economically priced viewers.

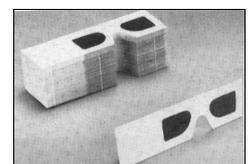
S241 Polaroid spectacles pack of 5 pairs

S273 Red/Green stereo spectacles, cardboard frames pack of 50 pairs



S241

S273



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