mag 6 & mag 7 magnifiers
MAG 7 inspection magnifier - x4 magnification with reticle holder

Ordering Information

<table>
<thead>
<tr>
<th>cat. ref:</th>
<th>MAG7</th>
<th>magnification:</th>
<th>x4</th>
</tr>
</thead>
<tbody>
<tr>
<td>order code:</td>
<td>50E02014</td>
<td>height:</td>
<td>95mm</td>
</tr>
<tr>
<td>cat. ref:</td>
<td>MAG7TR (with torch)</td>
<td>field of view:</td>
<td>63mm</td>
</tr>
<tr>
<td>order code:</td>
<td>50E02016</td>
<td>overall diameter:</td>
<td>70mm</td>
</tr>
</tbody>
</table>

- Big 85mm field of view
- Robust construction
- Serviceable
- Easy to swap reticles
- Multi element glass lens
- Range of standard lens reticles
- Custom made reticles available

Used when the field of view covered is more important than the power of magnification. The field of view is more than 3 times that of the MAG 6 whereas magnification is only reduced by half. The instrument is suitable for use for all the same purposes as MAG 6 and has the facility for a reticle to be fitted. The MAG 7 Measuring Magnifier is supplied with a robust leatherette case.

Also available with torch, as per MAG6TR.

for standard reticles see page 5

MAG 7A inspection magnifier - x4 magnification

Ordering Information

<table>
<thead>
<tr>
<th>cat. ref:</th>
<th>MAG7A</th>
<th>magnification:</th>
<th>x4</th>
</tr>
</thead>
<tbody>
<tr>
<td>order code:</td>
<td>50E02015</td>
<td>height:</td>
<td>95mm</td>
</tr>
<tr>
<td>field of view:</td>
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<td>overall diameter:</td>
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</tr>
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</table>

The acrylic tube is extended to the base of the magnifier to allow more light to fall on the surface of the specimen. However, unlike the MAG7 is no facility for a reticle to be fitted. The MAG 7A Measuring Magnifier is also supplied with a robust leatherette case.
A range of hand-held magnifiers for measurement and inspection. Their robust construction, flat field and all glass optics, make them ideal aids for those concerned with inspection, quality control, drafting, photography, map making, electronics etc. The clear base allows ample light to fall on the specimen surface being measured, and the eye lens can be focussed to give the sharpest image.

Interchangeable reticles can be fitted in the base ring to suit the measurement purpose. The MAG 6 Measuring Magnifier is supplied with a robust leatherette case.

**MAG 6 measuring magnifier - x8 magnification with reticle holder**

Ordering Information

<table>
<thead>
<tr>
<th>cat. ref.</th>
<th>MAG6</th>
</tr>
</thead>
<tbody>
<tr>
<td>order code:</td>
<td>50E02000</td>
</tr>
<tr>
<td>magnification:</td>
<td>x8</td>
</tr>
<tr>
<td>height:</td>
<td>65mm</td>
</tr>
<tr>
<td>field of view:</td>
<td>32mm</td>
</tr>
<tr>
<td>overall diameter:</td>
<td>40mm</td>
</tr>
</tbody>
</table>

- Large 32mm field of view
- Robust construction
- Easy to swap reticles
- Multi element glass lens
- Range of standard lens reticles
- Custom made reticles available
- Serviceable

**MAG 6A inspection magnifier - x8 magnification**

Ordering Information

<table>
<thead>
<tr>
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</tr>
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<tr>
<td>order code:</td>
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<td>overall diameter:</td>
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</tbody>
</table>

- Large 32mm field of view
- Robust construction
- Easy to swap reticles
- Multi element glass lens
- Range of standard lens reticles
- Custom made reticles available
- Serviceable

This magnifier is similar to the MAG 6, but has an extended acrylic-base instead of the reticle retaining ring. This allows more light to fall on the surface of the specimen. However, unlike the MAG 6 there is no facility for a reticle to be fitted. The MAG 6A inspection magnifier is supplied with a robust leatherette case.
reticles for MAG 6 measuring magnifier

Standard reticles are on glass discs with black metalised opaque lines best suited for light backgrounds. For dark backgrounds red and white line reticles are also available.

Horizontal scale: 25mm in 0.1mm divisions
cat. ref: M6T1
order code: std - 50B02003,
red - 50B02003R, white - 50B02003W

crossed scale: 20mm in 0.1mm divisions
centre zero, cat. ref: M6T3
order code: std - 50B02005,
red - 50B02005R, white - 50B02005W

crossed scale: 1" in 0.005" divisions
centre zero, cat. ref: M6T4
order code: std - 50B02006,
red - 50B02006R, white - 50B02006W

Multipurpose list of features: 20mm scale, centre zero, in 0.1mm divisions
1.0" scale, centre zero, in 0.01" divisions
180° protractor in degrees
concentric circle arcs, 1mm to 10mm radius
11 metric circles, 0.01mm to 2.5mm diameter
10 imperial circles, 0.01" to 0.15" diameter
9 lines, 0.5mm to 6mm length

Combination scale & protractor: 20mm in 0.1mm div
1" in 0.005" divisions, cat. ref: M6T1
order code: std - 50B02003,
red - 50B02003R, white - 50B02003W

Inch/metric scale 25mm in 0.1mm div
1" in 0.005" div, cat. ref: M6T20
order code: std - 50B02008,
red - 50B02008R, white - 50B02008W

Concentric circles 1-24 mm dia
cat. ref: M6T50
order code: std - 50B02009,
red - 50B02009R, white - 50B02009W

Centre zero scaler: 24mm in 0.1mm div
cat. ref: M6T10
order code: std - 50B02004,
red - 50B02004R, white - 50B02004W

Multipurpose cat. ref: M6T40
order code: std - 50B02050,
red - 50B02050R, white - 50B02050W

OCR-B cat. ref: M6T85
order code: std - 50B02055,
red - 50B02055R
Standard reticles are on glass discs with black metalised opaque lines best suited for light backgrounds. For dark backgrounds red and white line reticles are also available.

Special Reticles

There are many occasions where one of the standard reticles will not be satisfactory for your application. Maybe you want a pattern that reflects your particular component, alignment or measurement in order to make inspection easier with less error. Pyser Optics can work with you to create exactly the right pattern for your task.

Many people shy away from special reticles because of the perceived high cost. Pyser Optics has a very cost-effective, custom reticle facility that is used to dealing with one-off designs and will produce a drawing for you to approve or amend before manufacture. Just send us full details of your requirements and we will be delighted to provide a quotation.
other products in the inspecta range:

- magnified measuring scales
- portable microscopes
- MAG6 & MAG7 magnified
other products

defence reticles

custom reticle solutions

electron microscope grids

stage micrometers calibration standards

resolution charts and gratings

eyepiece reticles

counting chambers

portable microscopes

precision apertures

mag 6 & mag 7 magnifiers

magnified measuring scales
MAG 6 and MAG 7 Magnifiers offer a superior solution to the optical inspection and measurement requirements across a wide range of manufacturing industries. These instruments should not be confused with lower cost magnifiers from the Far East.

Pyser Optics has been manufacturing optics for over 75 years, and has built up a strong reputation for offering high quality, robust components and systems. From simple magnifiers to magnifiers with reticles, the Pyser Optics Inspecta range offers both standard and custom made products.