

Tonometry



Slit Lamps



Disposable Prisms



Orthoptic Equipment



General Equipment



Ophthalmoscopes  
& Retinoscopes



Visual Acuity Tests



Lenses



Trial Frames



# HAAG-STREIT UK

## 2015-2016 Catalogue

## Haag-Streit UK

Haag-Streit UK designs, manufactures and sells a complete line of orthoptic, optometry and ophthalmic equipment and has distributorships for some leading brands, such as; Haag-Streit Diagnostics, Clement Clarke Ophthalmic, CenterVue, Ellex, Haag-Streit Surgical and Optovue.

Haag-Streit UK promotes the prevention, early detection, careful monitoring and effective treatment of retinal disease, glaucoma, corneal disorders, ocular motility and visual defects.

The organisation is dedicated to providing tailored solutions through the integration of information technology, leading brand ophthalmic instruments and unparalleled customer care. It focuses on the individual requirements of both the professional and the patient.

The company boasts a UK-wide network of Area Sales Managers and Service Engineers. This field-based team is supported by Product Managers and an internal Customer Service Team. Together they ensure that all Haag-Streit UK products are backed by the highest level of service and support.

# Maintenance Contracts

Established for more than 25 years, our Service Division is committed to the critical area of maintenance and support. Constantly improving upon the levels of service and repair, our Service Division always strives to give you peace of mind.

HS-UK is a name you can trust, from the quality equipment that you purchase from us, through to the post-sales support you receive with one of our service contracts.

## Why do I need a service contract?

At Haag-Streit UK we understand how important it is for your clinic or practice to run seamlessly, with no interruption to your service.

Whilst we are proud to say that our products are the gold-standard, service issues can still arise, which may lead to your equipment needing to be repaired by an expert.

With the demands on NHS and private hospital eye clinics and Opticians in the UK ever-increasing, and the need to limit equipment down-time, it is vital that you have a trusted service provider that you can call the minute you identify any performance issues. We understand that, as well as causing inconvenience to patients, equipment down-time can cost you both time and money.

Our HS-UK Service Team has the ability to respond rapidly to any diagnostic contract call-out and, no matter which contract you take, you will receive an annual service visit to ensure that your equipment is maintained at its optimum performance level.

## Why HS-UK?

The Haag-Streit brand is synonymous with excellence. We aim to deliver this in all aspects of our organisation, from the gold-standard products we deliver, to the post-sales service and support we provide.

The majority of NHS hospitals with eye departments in the UK benefit from an HS-UK service contract, these include key eye hospitals such as; Moorfields, Manchester Royal Eye Hospital and Ninewells, Dundee.

Find out more about the benefits of an HS-UK service contract.

Our proven maintenance programme and strong engineering experience, ensure that Haag-Streit UK can guarantee dependable technical support and the highest levels of customer service.

**We offer three levels of service; Gold, Silver and Bronze. For further information or a written quotation, please telephone 01279 456314, email [service@haag-streit-uk.com](mailto:service@haag-streit-uk.com) or visit [www.haagstreituk.com/service](http://www.haagstreituk.com/service).**

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# Test Types & Accessories

## Rotating Drum Test Types

An internally illuminated, motorised, four-sided drum test type in a brown/beige colour which comes as standard with four upper Snellen panels and four lower panels, consisting of spotlight, duochrome, friend and worth 4 dot tests. H:80cm W:24cm D:24cm

The test types are available in three styles:

Manual: Drum rotated manually. Illumination operated from switch panel on test type body.

4101600 Free standing, direct

4101610 Free standing, indirect/reverse

Infrared Remote Control: Rotation and illumination operated by infrared remote control.

4101490 Free standing, direct

4101491 Free standing, indirect/reverse

4101580 Floorstand for rotating drum test type

4101590 Wall bracket for rotating drum test type



## Single Sided Test Types

A simple test type with an illuminated upper panel, which is interchangeable, with a spotlight in the lower panel. Available in direct or indirect format, with or without wall bracket. H:60cm W:21cm D:12cm

4107200 Free standing, direct

4107210 Free standing, indirect/reverse

4107250 With wall bracket, indirect/reverse

4107260 With wall bracket, direct



## Distance and Near Vision (DNV) Domiciliary Test Type

The distance test is designed for 3 metre testing. On the reverse of the unit is the near vision tests (35cm). Controlled by an infrared hand piece and light to carry, the DNV test type will fit into a standard briefcase.

Distance tests: duochrome, concentric circles, Snellen 3/60 to 3/5.

Near vision tests: Near fixation disparity, stereopsis test, suppression test, oblique tangent scale, bichromatic test, cross cyl and balance chart.

A comprehensive manual is provided.

4107201



## Premier Domiciliary Kit

Incorporating DNV domiciliary test with infrared remote control, trial lens set (with 128 metal rimmed lenses), polarised visor, Maddox swirl and Maddox phoria test.

4107230



## Elite Test Type

6 metre chart – with fan and block, motorised drum (featuring 8 panels including motorist's test and Landholt rings), concentric circles, pairs of concentric circles, fixation spot, fixation disparity test. Wall mounted.

4101555 with infra red control (indirect)

4101556 with hand control on 3m cable (indirect)

## Standard Test Type

As 'Elite', but no fan and block with infrared control  
(also available with hand control on 3m cable)  
4101557

## Slimline Plus Test Type

50mm thick, wall mounted, cordless remote control, dual purpose Snellen,  
duochrome, distance Fixation disparity red/green, separate spot. Weighs 4.5kg.  
Dimensions: 50 x 600 x 400mm Cream/dove grey.  
4101559

## Ophthalmic Mirror

Mirrors with optical glass qualities and distortion free.

- 4201001 Wall mirror — screws to wall. 54cm x 36cm
- 4202001 Wall bracket mirror — suitable for awkward shaped rooms. 54cm x 36cm
- 4203001 Floor standing mirror — Mounted on a strong, four legged floorstand.  
Column is adjustable for both height and angle. 54cm x 36cm



## Test Types and Panels

Upper panels are available for use in the rotating drum test types and single-sided test types. The charts with dual purpose letters are for use at both 6 metres and 3 metres with a mirror.  
A wide selection of test types is available in either plastic or cardboard. The cardboard charts are available flat or folding. The 3 metre test types will fit easily into a briefcase for domiciliary use.



See our current price list or visit eshop;  
[www.haag-streituk.com/eshop](http://www.haag-streituk.com/eshop)

# Vision Tests

## Cardiff Acuity Test

The test is available in two versions. The standard version covers a range of visual acuity levels from 6/48 and 6/96 to 6/3.75 and 6/7.5 (at working distances of 1m and 50 cm). The Low Vision version, aimed at practitioners working in the field of visual impairment, covers 6/96 and 6/192 to 6/7.5 and 6/15, at the same working distances. Designed specially to test ages twelve months to three years.

1549006 Cardiff Acuity Test standard, child



## Cambridge Crowding Cards

For pre-school visual acuity testing. Developed at Cambridge University, this test is sensitive to the crowding effect which may impair vision when acuity for single letters is normal. It is simple to understand as all they have to identify is the central letter by pointing to a matching card. The letters used are the same as the Sheridan Gardiner test. The test consists of a nylon loop board, 6/60 crowded letter key card, single test, two spectacle frames, one with left eye occluded and one with right eye occluded. Carrying case included.

4116020 Cambridge Crowding Cards

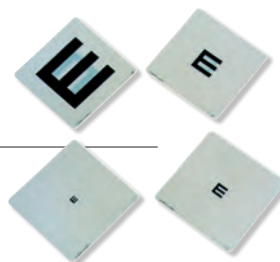
4116045 Spare spectacles



## Plastic E Set

A convenient set of four washable plastic cards which are printed on both sides and cover eight visual acuity sizes when used at 6 metres (6/60, 6/36, 6/24, 6/18, 6/12, 6/9, 6/6, 6/4). The set is particularly useful in pleoptics for treating amblyopia and eccentric fixation.

7001002 Plastic E Set



## Lea Gratings Paddles

Lea Gratings Paddles are an easy to use tools for measuring grating acuity of preverbal children. This set consists of 4 paddles having 6 gratings plus solid grey surface. They are easy to clean and have printing on both sides. Supplied in a neat black wallet.

4301781



## Lea Screening Test

This new test is designed for quick amblyopia testing or screening. The booklet is spiral bound and designed for use at 3 meters. It covers a total of 8 different optotype sizes (10/40, 10/32, 10/25, 10/20, 10/16, 10/12.5, 10/10, 10/8) sizes.

4301780



## Kay Screening Book Set

Everything you need for matching and naming pictures at six and three metre testing distances. The child is given a key card then points to the matching picture on the flip-over booklet. A near test card is also included.

4116100



## Kay Book Sets

22 pictures are graded in the same way as Snellen's letters. There is a recognition booklet to help familiarise a very young or shy child with the pictures. A near vision test card is included for use at 33cm.

4116102 Six metre set (6/60 - 6/6)



## Kay School Screening Chart

The chart makes vision screening at school entry quick, easy, and reliable, without the child needing to know capital letters.

Ask the child to read all the pictures in one vertical row and confirm their linear acuity at the smallest size with crowded pictures in the centre. The chart is double-sided to test each eye with different pictures and measures vision in nine LogMAR and Snellen sizes.

52 x 32 cm. Made from lightweight PVC foam.

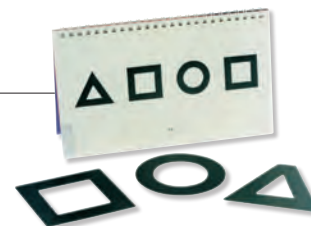
4116126



## Ffooks Symbols Test Type

In a book format using a circle, square and triangle, often more convenient than cubes. There are eight pages of symbols ranging in size of 6/60 to 6/5. A near vision page is included. The test comes complete with three cut out symbols for use by the patient.

7002101



## Kay Three Metre Crowded Book

A high quality printed and bound visual acuity picture book with matt-laminated pages. Contains 12 acuity sizes, 1.00 to -1.00 LogMAR (3/30 to 3/2.4 Snellen equivalent) with four pictures per page for quick accurate assessment of children's vision. Designed for 3M testing, but can be used at alternative distances with a simple adjustment to the notation. Near test and matching card included.

4116113



## Sonksen LogMAR Test

The SLT is a new visual acuity test. A unique feature of the test is that it is published with centile charts of acuity (similar to those used for growth) from 2 years 9 months, to 7 years 9 months - a period of very rapid changes in acuity.

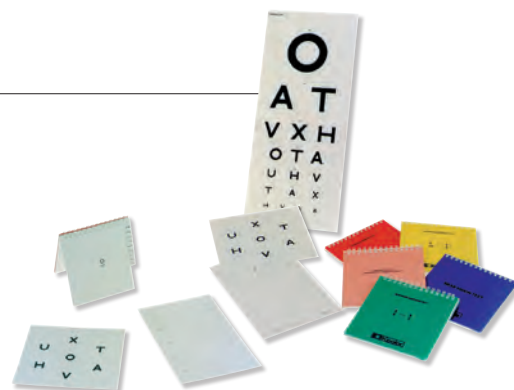
1549188



## Sheridan Gardiner Test

Designed for use with young children, testing depends upon matching shapes rather than letter identification. Suitable for the visual assessment of the deaf-mute, educationally sub-normal children and patients who do not share the same language as the tester. A series of orthoptic booklets in washable plastic form is available, which supplements the basic set.

- 1549011 Sheridan Gardiner test, comprehensive set (standard test, flip over booklets red, green, yellow and blue, 6m wall hanging test type)
- 4116001 Sheridan Gardiner test, standard (key card and flip over book, one letter per page) to be used at 6 metres
- 4116002 Sheridan Gardiner flip over booklet green (6/6 - 6/3)
- 4116003 Sheridan Gardiner flip over booklet red (6/60 - 6/18)
- 4116004 Sheridan Gardiner flip over booklet yellow (6/18 - 6/6)
- 4116005 Sheridan Gardiner flip over booklet blue (near vision)



## Bailey Lovie Distance Chart

These white plastic charts are front lit, not internally illuminated. The set comprises of two plastic charts. Each one has high contrast (near 100%) on one side and low contrast (10%) on the other. The acuity range covered is from the 38 letter size to the 1.9 letter size, i.e. at 6m the chart covers from 6/38 to 6/1.9. Each chart is scored in Snellen (metric: 6m and imperial: 20ft) as well as LogMAR and a VAR scale. The recommended luminance for visual acuity testing is 160cd/sq.

A tolerable range is 80-230cd/sq m. Dimensions: 530 x 610 mm

4115120



## LogMAR Charts

For 4 metre viewing. The arrangement of the letters on these revised charts is balanced so that the Sloan letters are represented at least once in every position. Can be used in an illuminated cabinet or as a wall hanging chart.

- 4302007 COHZV chart, for testing the right eye
- 4302008 ZRKDC chart, for testing the left eye
- 4302009 RNOVS chart, for refractions
- 4302011 Mesopic filter. To overlay LogMAR charts, for testing at low light levels.



## Slimline Illuminated Cabinet

For use with LogMAR charts listed above. Available wall hanging or with a separate stand. Convenient storage for 5 charts at the back of cabinet. Dimensions: 70 x 66 x 6.5cm (27.5 x 26 x 2.5"). Chart not included.

4302002



## Stand for Cabinet

For use with an illuminated cabinet. Includes castors, 2 locking. Allows for height adjustments from 114-125cm or 145-155cms for standing patients.

4302006



# Near Vision Tests

## Vocational Near Vision Test Type

Provided in a spiral bound format, the test is printed in conformity with the requirements of the Faculty of Ophthalmologists. The pages include text of N5, N6, N8, N10, N12, N14, N18, N24, N36, N48 corresponding to 5,6,8pt.etc. Times Roman type face. A 1:17 reduced Snellen and Ridley type, music, typewritten copy, street map, stock market and soccer league table are included.

4117001



## Kay Crowded Near Test Card

This test card accompanies the Crowded Book Set and contains the eight pictures in reduced sizes which are equivalent to 6/60 - 6/6 at a 33cm testing distance. The card is double sided and shows a different arrangement of pictures in both crowded and single format.

4116128



## Maclure Test Type

An ideal test for young children, which is designed to differentiate between their ability to see and their ability to read. The test is based upon the Ladybird Keywords reading scheme using school script, which is a simplified type written without serifs. It helps the child to gradually appreciate the link between handwriting and print and to make the transition to the Times Roman serif style. (White cover).

4118001



## Maclure Bar Reading Test

Using the same philosophy as the Maclure reading test type, this version is suitable for performing bar reading exercises. (Red cover).

7315001



## Moorfields Bar Reading Book

Developed in accordance with suggestions from the Orthoptic Department at Moorfields Eye Hospital.

The spiral bound format and seven pages of different graded texts makes the test most useful in cases of accommodative squint.

7314001



## Thomas the Tank Engine Reading Test Type

Designed especially for young children. Conforms to the recommendations of the Faculty of Ophthalmologists.

1549017



## Bailey-Lovie Reading Charts

A set of charts, consisting of 5 different word sequences on white card. Over 17 different sizes from N80 to N2. Includes instructions for special testing procedures, e.g. establishing reading speed as well as acuity. (215mm x279mm)

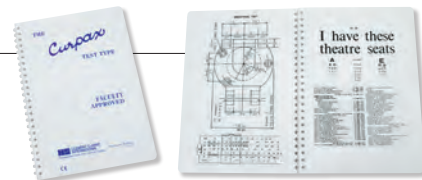
4115125



## Curpax Near Vision Test Type

Based on the recommendations of the Faculty of Ophthalmologists. Text is provided with the range N5 to N48 with a reduced Snellen test type, an industrial test, a stock market report, a telephone directory, a sheet music extract and a numeral test.

4117051



## Jaeger Reading Test Type

A booklet viewed at 35cm with text from J1 to J20.

1549104



## Laminated Test Type

A simple double sided reading test type ranging from N4 to N48 as approved by the Faculty of Ophthalmologists and incorporating their requirements. Being laminated, it is washable and durable.

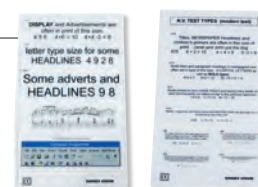
1646012



## Laminated Test Type

With modern text and computer screen presentation.

1646011



# Occluders and Rules

## Romanes Occluder

This simple all purpose occluder is a useful trial case accessory and may also be used for a simple assessment of visual acuity and the cover test. One side of the occluder bears a scale graduated in millimetres for interpupillary distance measurements and for numerical assessment of proptosis. The maker's name and address is printed in Times Roman lettering and may be used as a near vision test.

4363001



## Eustace Pinhole Occluder

A Lorgnette style occluder with five pinholes in one half. Reversible for use over either eye. Also incorporates pupillary distance rule and fixation point.

4364001



## Spielmann Occluder

An opaque occluder on handle for cover testing. Being opaque, eye movements of the occluded eye can be monitored during the test.

1561010



## Black/Green Silk Eyepatch

A simple washable, durable eyepatch with elasticated band, for use wherever patching may be required.

1710005



## Opticlude Eye Patches

An adhesive eyepatch used whenever occlusion therapy is required. The virtually non-irritant adhesive leaves no residue on removal. Available for adults and children.

1771010 pack of 20 Opticlude occluders, junior

1771011 pack of 20 Opticlude occluders, adult



## White Perimeter Occluder

Ideal for field testing. Its translucent properties ensure that the occluded eye does not dark adapt under test conditions.

5008004



## Headspring Occluder

An effective accessory for use with visual field devices, screens and other tests where occlusion of one eye is required.

5203001



## Kay Occluding Spectacles for Children

Test uniocular vision using the occluding glasses. The bright neon colours make them fun to wear and easy to remember.

4116130 Regular

4116134 Infant

4116143 Junior



# Exophthalmometers

## Luedde Exophthalmometer

A clear perspex bar about 1cm square x 10cm long is shaped with a notch at one end and is graduated in cm and mm for measurement of eye protrusion.

1561320

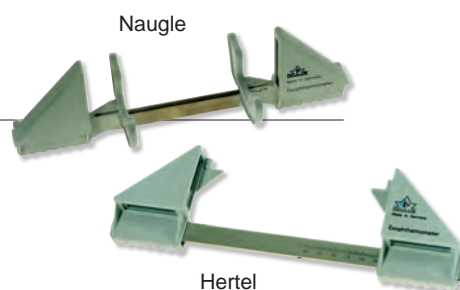


## Mirror Exophthalmometers

These superior and inferior orbital rim based instruments measure the position of the globe accurately even after lateral orbitotomy, e.g. post tumour removal or thyroid decompression. Easy to use, fast reproducible results and comfortable for the patient.

1605020 according to Hertel

1605025 according to Naugle



## Cross Cylinders

A useful confirmation test for examining astigmatism, comprising full aperture lenses with markings indicating the power and mounted on nickel silver knurled handles.

Available in the following powers;

4361002  $\pm 0.25$  dioptre      4361004  $\pm 0.75$  dioptre

4361003  $\pm 0.50$  dioptre      4361005  $\pm 1.00$  dioptre



## Confirmation Tests

Glass lenses mounted in a metal frame available in the following powers;  
 $\pm 0.25$ ,  $0.50$ ,  $0.75$  and  $1.00$  dioptre as 2 lens, 3 lens and 4 lens.

6221020 2 lens  $\pm 0.25$

6221021 2 lens  $\pm 0.50$

6221022 2 lens  $\pm 0.75$

6221023 2 lens  $\pm 1.00$

6221050 3 lens straight  $\pm 0.25$

6221051 3 lens straight  $\pm 0.50$

6221052 3 lens straight  $\pm 0.75$

6221053 3 lens straight  $\pm 1.00$

6221040 4 lens  $\pm 0.25$

6221041 4 lens  $\pm 0.50$

6221042 4 lens  $\pm 0.50$

6221043 4 lens  $\pm 1.00$



# Retinoscopy Racks

## Pair of Retinoscopy Racks

Ultra light-weight moulded lens racks made from high grade optical quality plastic. Sphere lens power range,  $\pm 0.5$ , 1, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6, 7, 8, 9, 10, 12, 15 dioptres. To avoid scratching, the lenses are deeply embedded in the frame and are supplied in a soft plastic case.  
1561030



# Illuminated Vision Test

## Macular Worth 4 Dot Test

A simple and rapid test for determining the presence of macular suppression utilising a simple pocket torch and Worth 4 Dot sleeve, which uses complementary red and green filters.  
4128001



## Worth 4 Dot Test

A near distance Worth 4 Dot torch. Diplopia goggles required for this test.  
4129305



# Trial Cases and Frames

## Trial Lens Set

Contains 218 reduced aperture lenses and 7 accessories, in case. International colour convention, metal rims (anodised aluminium). Cylinders do not have handles.

128 Spheres in 64 pairs:

Convex: 0.12, 0.25 — 4.00 in 0.25 dioptre steps, 4.00 — 6.00 in 0.50 dioptre steps, 6.00 — 14 in 1.00 dioptre steps, 14.00 — 20.00 in 2.00 dioptre steps

Concave: 0.12, 0.25 — 4.00 in 0.25 dioptre steps, 5.00, 5.50, 6.00 — 14.00 in 1.00 dioptre steps, 16.00, 18.00, 20.00

80 Cylinders in 40 pairs:

Convex: 0.12, 0.25 — 3.50 in 0.25 dioptre steps, 4.00, 5.00, 6.00

Concave: 0.25 — 3.50 in 0.25 dioptre steps, 4.00, 5.00, 6.00

10 Prisms 1/2, 1, 2, 3, 4, 5, 6, 7, 10, 12

7 Accessories: 1 Maddox Rod, 1 red glass, 1 green glass,

1 stenopaic slit, 1 pinhole disc, 2 blank discs

4304001



## Full Aperture Trial Lens Set

169 lenses plus 9 accessories, complete in a wooden case.

Spheres in 30 pairs each plus and minus:

0.12, 0.25 — 4.00 in 0.25 dioptre steps, 4.50, 5.00, 5.50, 6.00, 7.00, 8.00, 9.00, 10.00, 11.00, 12.00, 13.00, 16.00, 20.00

Cylinders in 10 pairs each plus and minus:

0.25, 0.50, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00

Accessories: Coloured lenses: red, green, blue, brown and plano (2pcs), Slit plates: 0.50mm, 1.00mm, pinhole plates: 0.50mm, 1.00mm, 1.50mm, Occluder.

4302300



## Perimeter Lens Set

A selection of quality full aperture lenses, complete in carrying case. Contains:

Spheres (1 each):

0.25, 0.50 — 3.00 in 0.25 dioptre steps, 3.50, 4.00, 4.50, 5.00, 5.50, 6.00, 6.50, 7.00, 8.00, 9.00, 10.00, 11.00, 12.00, 13.00, 14.00, 16.00

Cylinders (1 each):

0.25, 0.50, 0.75, 1.00, 1.50, 2.00, 2.50, 3.00, 3.50, 4.00, 4.50, 5.00

Sets available with + or - cylinders

4302400 + cylinders

4302410 - cylinders



For individual replacement lenses please contact  
HS-UK Customer Services on 01279 456261

# Trial Frames

## Oculus Universal Trial Frame

Constructed from lightweight metal alloy and high quality plastic. Accommodates up to five 38mm lenses for each eye. Independent screw adjustments for PD of 48 to 80mm. Screw operated bridge height and projection. Corneal distance scale. Sides adjustable for length and angle. 4505001

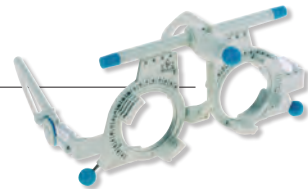


## Oculus Universal UB-4 Trial Frame

As above, but made from robust, high-quality plastic.

4505100 Oculus Universal UB-4 Trial Frame

4505105 Polarising filters for Oculus UB-4 trial frame



## UB-5 Children's Trial frame

Space for 10, 28mm trial lenses. PD range 46-72mm.

User friendly controls in "soft design" Suitable for children.

4505200

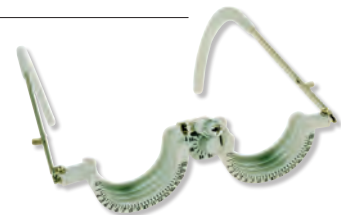


## Oculus Half Eye Trial Frame

Made from high-grade plastic and light metal alloy, this drop cell trial frame can accommodate up to three 38mm lenses for each eye. Adjustable PD of 59 to 67mm. Sides adjustable for length. Available with fixed bridge or adjustable nosepiece.

4506001 Half eye trial frame without nosepiece, adult

4506010 Half eye trial frame with nosepiece, adult



## Oculus Children's Trial Frame

As Half Eye Trial Frame with PD of 54 to 58mm. Also available with fixed bridge or adjustable nosepiece.

4506030 Half Eye Trial Frame without nosepiece, child

4506035 Half Eye Trial Frame with nosepiece, child



## Halberg Trial Clips

Useful and effective monocular trial frame which may be used with almost all types of spectacle frames. Incorporates three cells for 38mm trial lenses and accessories. Ideal for low vision testing.

1549050 Halberg Trial Clips, pair



# Colour Tests

## Farnsworth Munsell 100 Hue Test

Is designed to detect colour vision anomalies and colour discrimination. Tests for inherited and acquired colour vision defects red-green and blue-yellow. Consisting of 4 separate trays with 85 coloured caps of subtle difference in hues, supplied in metal case.

- 1687011 Farnsworth Munsell 100 Hue Test
- 1687024 Farnsworth Munsell 100 hue test complete with scoring software
- 1687022 Farnsworth Munsell 100 scoring software
- 1687010 Pad of 75 charts



## L'Anthony's 40 Hue Test

Used for rapid and repeated detection of colour discrimination and in particular the follow-up of acquired colour vision defects. A shortened form of the Farnsworth 100 hue test.

- 4129065 L'Anthony's 40 Hue Test
- 4129066 Pad of 100 charts



## Roth 28 Hue Test

An enlarged selection of colours (28) compared to the 15 of Farnsworth Dichotomous test. Used to detect and diagnose colour vision defects – inherited and acquired, red-green and blue-yellow.

- 4129060 Roth 28 Hue Test
- 4129061 Pad of 100 charts



## L'Anthony's Desaturated 15 Hue Test

A rapid diagnostic test requiring the patient to make a sequence of colours. Used for both inherited and acquired defects. A more sensitive test than 4129050, since colours are more desaturated (with less colour) so the task of ordering the colours is more difficult. The test will detect even very slight colour vision defects.

- 4129055 L'Anthony's Desaturated 15 Hue Test
- 4129056 Pad of charts

## Farnsworth D-15 Test

A modification of the Farnsworth 100 hue test, more suitable for screening purposes it is a dichotomous test looking at deutan, protan and tritan deficiencies.

- 1687025 - Farnsworth D-15 Dichotomous test (saturated) in brushed steel case
- 1687026 - Farnsworth D-15 Desaturated test in brushed steel case
- 1687015 - Farnsworth D-15 test, saturated and desaturated in case



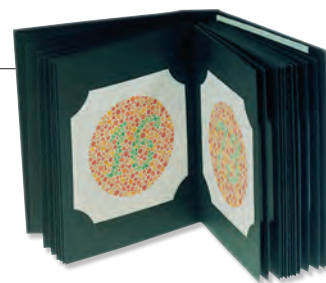
1687015

## Ishihara Colour Charts

A confusion test for colour deficiency, principally inherited defects of the red-green type. A very sensitive test, so will fail those with very minor defects. The tests provides little indication of occupational colour matching ability. It does not test blue/yellow vision.

Available as;

- 4129001 38 plate, used principally by ophthalmologists for complete satisfaction
- 4129002 24 plate, used mainly for occupational screening
- 4129003 14 plate, the most accurate plates from the complete 38 plate edition which allows minimum examination
- 4129004 10 plate, simple geometric shapes take the place of numerals for use with infants and unlettered people



## City University Colour Vision Test, Edition 3

A rapid diagnostic test for detecting red/green and blue/yellow and classifying red/green (protan/deutan) and blue/yellow (tritan) defects (inherited and acquired). Enables an assessment of the degrees of any defect. Quick and simple to use and suitable also for children over five years. Different saturations provide varying degrees of sensitivity to detect even mild defects, if required. A good test indicating likely occupational suitability for colour tasks.

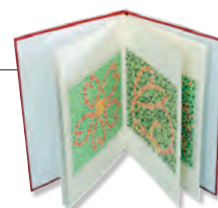
- 1549101 City University Colour Vision Test, Edition 3
- 1549107 Pack of charts for City University colour vision test, Edition 3
- 1549099 Pack of charts for City University colour vision test, Edition 2



## Child's Colour Test Alpha

A confusion test with pictures to indicate the presence of inherited colour vision defects.

4129100



## HRR Pseudoisochromatic

The HRR Pseudoisochromatic plates provide the most advanced colour vision test. Used for congenital and acquired testing and positive classifications of normals.

4129020



# Contrast Sensitivity

## Cambridge Low Contrast Gratings

A simple test of contrast sensitivity involving a "forced choice". The patient decides which of two displays presented simultaneously shows a structured series of lines or gratings which vary in width spacing (spatial frequency) as the test proceeds. Particularly useful for examining visual function of pathological eyes.

7002200 Cambridge Low Contrast Gratings

7002201 pad of 50 charts



# Stereotests

## Lang Stereotests

Two strips act as random dot stereograms of varying separation of dots. Spectacles do not need to be worn to view. The test includes animal pictures viewed at 40cm. Simple shapes have to be detected.

Pocket sized, the tests are available in three formats;

Lang I: Disparity Star 600". Cat 400". Car 550"

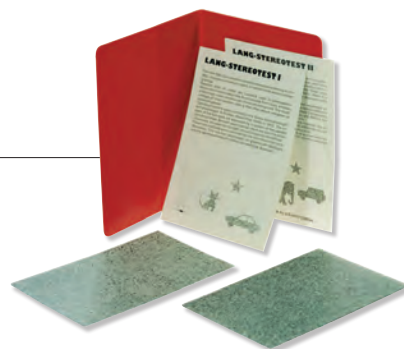
Lang II: Disparity Moon/Star 200". Car 400".

Elephant 600" monocular visible star

7307020 Lang stereotest No. 1 in wallet (car, cat and star shapes)

7307025 Lang stereotest No. 2 in wallet (elephant, van and moon with monocular star control)

7307030 Lang stereotest No. 1 & 2 in wallet



## Frisby Stereotest

Three square transparent plates (6mm, 3mm, 1.5mm) have four similar patterns printed, three on one surface and one on the other, hence one appears in relief as closer or nearer. The patient indicates which square stands out in space from the others.

Viewed at 40cm, glasses are not required. Assessment of stereo acuity from 600 to 15 seconds of arc.

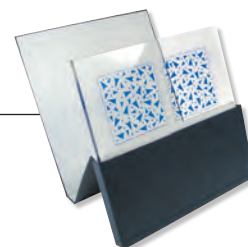
7308001



## Frisby Screening Stereotest

To demonstrate stereopsis from 6 months old. Two squares are presented; one of which has a circle-in-depth.

7308005



## Frisby Pocket Stereotest

A new screening test for stereopsis, suitable for patients with limited ability to understand instruction. Does not require red/green or polarised glasses.

7308003



## TNO Stereotest

Viewed at 40cm. A very sensitive test for stereopsis based on random dot stereograms. The green and red spectacles worn ensure different signals are sent through each eye for fusion by the brain.

7305001 TNO Stereotest with red/green spectacles

7305010 TNO Stereotest without red/green spectacles

7305101 Red/green spectacles for TNO, adult

7305102 Red/green spectacles for TNO, children



## Butterfly Stereotest

Designed to rapidly test for amblyopia and strabismus using gross through to fine stereopsis (2500 to 20 seconds of arc). Graded circle test from 400 seconds now down to 20 seconds with no monocular clues. New improved booklet has answer key on back cover and includes both adult and pediatric polarized viewers.

7306012 Butterfly Stereopsis Test with LEA Symbols®



## Fly Stereotest

Designed to rapidly test for amblyopia and strabismus using gross through to fine stereopsis (4800 to 20 seconds of arc). Graded circle test from 400 seconds now down to 20 seconds with no monocular clues. New improved booklet has answer key on back cover and includes both adult and pediatric polarized viewers.

7306011 Fly Stereopsis Test with LEA Symbols



## Random Dot Stereotest

Designed to rapidly test for amblyopia and strabismus in early and non-readers and non-verbal children & adults. Expanded Random Dot LEA Symbols Test (500, 250, 125, 63 seconds of arc). Graded circle test now down to 12.5 seconds with no monocular clues. New improved booklet has answer key on back cover and includes both adult and pediatric polarized viewers.

7306013 Random Dot Stereopsis Test with LEA Symbols



## Distance Randot

This Distance Randot Stereotest is the ideal tool for the eyecare professional who deals with strabismus, amblyopia and intermittent deviations.

7307011 Distance Randot Test



## Wirt Fly Test

Consists of three stereoscopic tests employing polarised vectographs. The fly dramatically demonstrates the presence of stereo vision.

The other two tests provide the practitioner with results to estimate the level of stereoscopic vision. Viewed at 40cm.

7306001 Wirt Fly Test with polarised spectacles



## Randot Stereotest

Patterns or shapes are presented to the two eyes using polaroid spectacles provided. One figure stands out in space and has to be identified. Includes animal pictures viewed at 40cm.

7307001

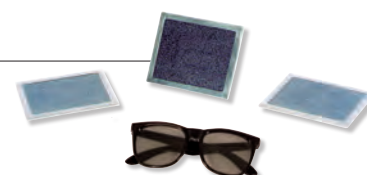


## Random Dot E Stereotest

This test consists of three cards and a pair of polarised spectacles.

One card is a specimen and shows what the patient should see when using the spectacles and presented with the stereoscopic card. The third card is a blank to expose malingerers.

7307002



## Polarised Glasses

Polarised glasses for use with Wirt, Random Dot and Randot tests.

7306101 Standard (black frames)

7306105 Paediatric (orange frames)



# Welch Allyn Ophthalmoscopes

The Welch Allyn PanOptic and Prestige are the only LED ophthalmoscopes on the market. The LED bulb is guaranteed for 7 years and uses a fraction of the power of traditional bulbs, extending the on-time of your battery handle.

Update your existing PanOptic or Prestige by purchasing an LED lamp.

## LED PanOptic Ophthalmoscope

The PanOptic Ophthalmoscope offers:

- Large and clear marking spots for easy blocking
- A field of view that is 5X larger than you see with standard ophthalmoscopes in an undilated eye
- 25° field of view versus the 5° field of view of standard ophthalmoscopes
- A 26° increase in magnification – making it easier to see retinal details
- Compatible with all Welch Allyn 3.5v power sources
- Greater working distance improves comfort for both user and patient
- Focusing wheel adjusts in a continuous, smooth action for precise control and optimum view
- Focusing range is -20 to +20 dioptres
- Halogen HPX™ lamp, provides a whiter, brighter light
- Aperture dial allows you to select micro, small and large spot sizes.

Also includes red-free filter, slit aperture and cobalt blue filter

Includes add-on magnifying lens for corneal exams

1717240 PanOptic Ophthalmoscope, head only – 11820

1717246 PanOptic Ophthalmoscope, with SMART handle, transformer and hard case –11824VSM

1717249 Welch Allyn LED bulb for PanOptic Ophthalmoscope



## LED 3.5V Prestige Ophthalmoscope

Features:

- Halogen HPX™ lamp which provides 30% more light output, for true tissue colour
- 68 lenses -30 to +38 in automatic, single D steps
- Coaxial optical system for ease of entry and larger field of view
- Sealed optics keep out dust and dirt
- Cross linear polarising filter reduces abnormal corneal reflection
- Neutral filter provides the ideal amount of Halogen HPX™ light for entering healthy eyes
- Opacity setting provides the brightest Halogen HPX™ light for easy entry into eyes with cataract or other media opacity.
- 18 aperture combinations for greater versatility
- Rubber brow rest prevents scratching of glasses
- Illuminated lens dial clearly identifies dioptre setting

1717162 Prestige Ophthalmoscope, head only – 11735

1717330 Welch Allyn LED bulb for Prestige Ophthalmoscope



## 3.5V Coaxial Ophthalmoscope

Has all the Prestige features except the Coaxial Ophthalmoscope has 28 lenses, -25 to +40.

1717003 Coaxial Ophthalmoscope, head only –11720



## Pocket Plus LED Ophthalmoscope

Combined function and style to provide maximum performance and durability in a compact design. Choose from four colours; blueberry (blue), Mulberry (Purple), Blackberry (Black) and Snowberry (White). The Pocket Plus Ophthalmoscope boasts many exciting features;

- Dioptre range of -20 to +20
- Optional neutral density filters
- 7 apertures: microspot, small spot, large spot, slit aperture, fixation aperture, cobalt blue and red-free
- SureColour LED bulbs - rated for 20,000 years of use

1717465 - Blueberry

1717460 - Mulberry

1717455 - Snowberry

1717450 - Blackberry

1717470 - Pocket Plus LED accessory kit

1717475 - Soft zip case for Pocket Plus

1717476 - Hard case for Pocket Plus



## Welch Allyn Retinoscopes

### 3.5V Streak/Spot Retinoscopes

Features:

- Interchangeable: streak retinoscope can be converted to a spot.
- Continuously rotating external focusing sleeve is easy to grip and manipulate regardless of hand size
- Brighter Halogen light and more efficient optics allow easier viewing of retinal reflexes
- Sealed housing keeps instrument dust-free longer
- Crossed linear polarising filter eliminates glare from trial lenses
- Magnetic fixation cards make dynamic retinoscopy easy to perform
- Converts streak to spot retinoscope by simply changing the bulb
- Rubber brow rest prevents scratching of glasses

1717300 3.5V Streak retinoscope, head only – 18200

1717044 3.5V Spot retinoscope, head only – 18300

1717170 Streak bulb – 08200

1717171 Spot bulb – 08300



## Fixation Cards

Set of four retinoscopy fixation cards for Welch Allyn Retinoscopes.

1717172



## Diagnostic Sets

Ophthalmic Diagnostic Sets contain an ophthalmoscope, retinoscope, transformer and case with the SMART handle.

1717241 PanOptic ophthalmoscope/Streak retinoscope set with SMART handle, transformer and case. – 18324VPSM



# Power Supplies & Handles

## 3.5V SMART Power Handle

The 'SMART' Lithium Ion battery provides twice the on-time and is just half the weight of a rechargeable battery. Ergonomic design, made from durable CYCOLOY®. The 'SMART' handle has low battery and charging indicators, does not suffer from memory loss when charging and has a more environmentally friendly battery.

1717292 3.5V SMART power handle, charger and transformer – 71904

1717293 SMART power handle only – 71910

1717294 Charging pod – 71940

1717028 Transformer – 71034



## Universal Double Desk Charger

Double desk charger for both SMART handles (black lithium ion) and the original double desk charger handles (NiCad).

1717296 Double desk charger, without handles – 71114

1717298 Double desk charger, with 2 SMART handles – 71734



## 3.5V Wall Transformer

Holds two Welch Allyn handles, a third module can be added for a further instrument. Coiled cords on the handles can stretch to twelve feet.

1717039 Wall transformer with two cord handles – 76714

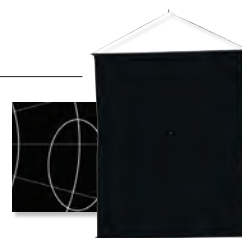


# Visual Field Equipment

## Bjerrum Screen

For kinetic visual field testing, central and peripheral. For use at one metre. The Bjerrum screen is made of black matt material and stitched with radial lines at 15° intervals and circles at 5° intervals. Used with Traquair or similar stimuli. Supplied on corded slats or retractable into a wallbox.

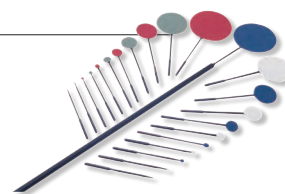
- 5102001 Bjerrum screen, in wallbox
- 5102201 Bjerrum screen, on slats
- 5131001 Pad of 100 Bjerrum screen charts



## Traquair Target

For use with the Bjerrum screen for kinetic field tests. Comprised of discs on thin stems, fitting into a sectioned wand. Protective wallet contains discs in red/green and blue/white in the following sizes: 1, 2, 3, 4, 5, 7, 10, 15, 20, 30 and 40mm.

5201001



## Amsler Chart Manual

A valuable series of charts for evaluating foveal and macular disorders. The manual explains uses and the interpretation of results. Recording charts supplied.

- 1549105 Amsler Chart Manual
- 1549106 Amsler recording charts, pad of 50



# Slit Lamps

## Portable Slit Lamp

### Clement Clarke Portable Slit Lamp BA904

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The BA904 Slit Lamp can be used with its head and chinrest assembly for traditional style examinations or as a hand held slit lamp.

Features include:

- Ergonomic design
- Superior optics from Haag-Streit
- Bright, halogen illumination
- Power from mains or rechargeable battery pack
- Head and chinrest with joystick
- 3 slit widths (0.12mm, 0.25 and 0.5mm)
- 4 slit heights (3mm, 5mm, 8mm and 14mm)
- Two integral colour filters; blue and yellow

5606011 Portable slit lamp, including head and chinrest stand, power centre, energy pack and large case (Set A)

5606013 Portable slit lamp, including power centre, energy pack and small case (Set C)



# Tonometers

## Applanation Tonometers

### Goldmann Model AT 900M/Q Tonometer

The standard for the measurement of intraocular pressure between 0 to 78mm Hg. As the area of applanation is only 3.042mm, the scleral rigidity does not influence readings. The Model T Tonometer attaches to the footplate of the slit lamp and is removed from the slit lamp when not in use. Fits the Haag-Streit BM, BMV, BQ, BP slit lamps. (Previously T-type removable)  
5811030



### Goldmann Model AT900 Tonometers

The standard for the measurement of intraocular pressure between 0 to 78mm Hg. As the area of applanation is only 3.042mm, the scleral rigidity does not influence readings. The Model R Tonometer is permanently attached to the slit lamp by means of a special mounting spigot.

- 5810010 Goldmann Model AT 900 C/M for BM, BMV slit lamps (previously R/BM)
- 5812011 Goldmann Model AT 900 BQ tonometer for BP,BQ slit lamps (previously R/BQ)
- 5812013 Goldmann Model AT 900 C/M tonometer for BC,BD 900 slit lamps (previously R/BC)
- 5814001 Doubling Prism for Goldmann (black band)



### Goldmann Model AT900D Digital Tonometers

- Digital Display, Ergonomic, easy to read digital display of IOP measures even in the darkened examination room
- Direct connection, optional digital transfer of IOP and L, R indication to IT systems
- A true Goldmann tonometer Incorporating digital measurement technology and the Goldmann applanation principle yields, precise and reliable IOP readings.

- 5813010 AT900D-R (R-type for BD, BC,)
- 5813015 AT900D-R BM (R-type for BM, BMV)
- 5813020 AT900D-T (T-type for BM, BP & BQ)
- 5813025 AT900D-BQ (R-Type for BP & BQ)
- 5814001 Doubling Prism for Goldmann (black band)



### Perkins Mk3 tonometer

The Perkins Mk3 hand-held applanation tonometer combines the same proven accuracy as the clinically trusted Perkins Mk2, but with an improved ergonomic design, longer lasting battery and excellent internal LED illumination.

- Ergonomic design
- Innovative LED illumination
- 'Tonogrip' prism holder
- Integrated rechargeable battery
- Tonosafe compatible
- Clinically trusted accuracy

- 5806000 - Perkins Mk3 tonometer with reusable prism
- 5806001 - Perkins Mk3 tonometer with 20 Tonosafe disposable prisms



## Perkins Examination Telescope (P.E.T) for Mk2

Allows viewing of the fluorescein semi-circles at arms length, making examinations easier and more comfortable for you and your patient. P.E.T. mounts easily to the Perkins MK2 eyepiece and lets two individuals view simultaneously.

5814004



## Disinset V

1 plastic container for parts to be disinfected, 1 measuring jug for disinfection with a 3 part insert and cover, 1 measuring jug with funnel for rinsing and 1 glass container with insert and cover for storing disinfected parts. Disinfection solution not included.

5814017



## Sterilising Stand

A simple tripod sterilising stand to take up to three doubling prisms.

5814002



## Schioetz Tonometer

A simple device for the measurement of intraocular pressure. Chrome plated complete with footplate and stainless steel plunger with jewelled hammer assembly. The device is supplied with certificates of accuracy, recording forms and protective case.

5815001 Schioetz Tonometer, inclined scale

5815010 Schioetz Tonometer, straight scale



## Tonosafe Disposable Applanation Prisms

### Tonosafe Disposable Prisms

The Tonosafe disposable prisms are a convenient and effective method of reducing the risk of cross infection between patients, eliminating the need to clean and disinfect prisms.

Tonosafe are compatible with both Goldmann and Perkins tonometers.

Boxed in 100s with five prism holders per box.

5805100 Box of 100

5805084 Black Tonosafe Prism holder



# Contact, Aspheric, Laser & Indirect Lenses

## Contact Lenses from Haag-Streit

### Goldmann Fundus Contact Lens (901)

For binocular slit observation of the pupil, the macula, its surroundings out to 30° as well as the central vitreous body sections. Easy to use, lightweight glass provides a direct image.  
5702006



### Goldmann Single Mirror Gonioscopy Contact Lens (902)

For the examination of the anatomical conditions in the area of the front of the iris. 902s (scleral) lens also available. 62° mirror angle.  
5702007



### Original Goldmann 3 Mirror Contact Lens (903)

11mm internal diameter of the cornea part. Best in combination with Haag-Streit slit lamps. For examination of the entire fundus, the vitreous and the iridocorneal angle. Made of acrylic glass. 59 / 66 / 73 degree mirror angles.  
5702009 Large (903) The classic Goldmann glass  
5702010 Small 903s The classic Goldmann glass  
5702059 906 For babies. 10mm internal diameter of the cornea part  
5702045 907 For children up to 4 years of age.



### One Mirror Contact Lens (904)

This contact glass serves to examine the ora serrata, the pars plana and the extreme peripheral parts of the vitreous body and the ocular fundus. 62° mirror angle.  
5702049



### Two Mirror Contact Lens (905)

Two mirrored surfaces, which each incline at an angle of 62° towards the front surface, have been cut into the 17mm long glass cone. This makes it possible to examine the opposite iridocorneal angle without turning the contact glass. 905s (scleral) lens also available.  
5702008



### Sterycup

For use with Goldmann Contact Lenses 903/903L, the Sterycup reduces the transfer of bacteria. There is no reduction in optical quality and no rotation on the patient's cornea. Disposable and simple to use. (Box of 64).  
5702091



## Haag-Streit 81D Non-Contact Lens

A dual purpose lens, which can be used as a 78D or 90D lens and is suitable for biomicroscopy and laser treatment of the fundus.

5603718



## Volk Lenses

A full range of powers for every diagnostic and therapeutic application.

For a complete list of Volk lenses, please refer to our web site at [www.haagstreituk.com](http://www.haagstreituk.com) or our current price list.



## Laser Lenses from Haag-Streit

### Laser Contact Glass CGAL

A gonioscopic contact glass designed for laser treatments of the chamber angle. It reduces the laser spot by a factor of 1.5 as compared to a Goldmann Glass.

5702088



### Laser Contact Glass CGI L

An iridectomy contact glass designed to perform full thickness peripheral laser iridectomies.

5702100



### Laser Contact Glass CGPL

A capsulotomy contact lens designed for the dissection of opacified posterior lens capsules and membranes in the pupillary and retropupillary space with the YAG laser.

5702089



### Laser Contact Glass CGRL

A wide-angle contact glass designed for laser photocoagulation and diagnosis of the retina.

5702097



### Laser Contact Glass CGVL

A vitrectomy contact glass designed for photodisruptive YAG laser procedures in the posterior vitreous.

5702098



## Goldmann Three Mirror Laser Lenses

Made from acrylic with lumenised-coated protective glass.  
Designed to work with argon/YAG lasers. All lenses have the  
original mirror angles by Goldmann: 59/66/73 degrees.  
5702080 Goldmann Laser Contact Glass. 903L. The Classic Goldmann Lens.



## Cleaning and Disinfecting

### Disinset V

Comprises:

1 plastic container for parts to be disinfected, 1 measuring jug  
for disinfection with a 3-part insert and cover, 1 measuring jug for  
rinsing and funnel and 1 glass container with insert and cover for  
storing disinfected parts. Disinfection solution not included.  
5814017



### Volk Cleaning Cloths

Volk precision optical lens cleaner consists of a highly absorbent,  
lint-free optical towlette moistened to an exact saturation level,  
with a unique combination of oil removers and cleaning agents.  
Ideal for use on Volk lenses, microscope eyepieces, cameras  
and other precision optical surfaces. (Box of 24).  
1549900



# Synoptophores

Clement Clarke Synoptophores has established a reputation second to none in the world of orthoptics and binocular vision. Over 70 years of experience in the manufacture and use of these fine instruments have resulted in continuous development and advancement in performance and reliability.

## Synoptophore Model 2001

The most comprehensive model in the range, for all standard measurements and treatments: angle alpha (kappa), objective angle, abnormal retinal correspondence, cyclo and vertical phorias and both horizontal and vertical vergences. The flashing unit stimulates eyes simultaneously or alternately and manual flashing and dimming rheostats are standard controls. High intensity halogen light provides after images. Removable Haidinger brush motor units in the 2001 model permit pleoptic assessment and treatment for eccentric fixation and ARC.

6401001



## Synoptophore Model 2002

This model combines all the features of Model 2001 with the exception of the Haidinger's Brushes device. It is the standard instrument for the busy clinic and ideal for the assessment and treatment of patients needing orthoptic care or management.

6402001



## Synoptophore Model 2003

The basic model Synoptophore provides all the standard measurements and treatments including assessment of the angle alpha, the objective angle, abnormal retina correspondence, cyclophoria, hyperphoria and horizontal vertical vergences. Manual flashing switches and independent dimming rheostats are provided as standard.

6403001



## Synoptophore Slides

- Series A, Maddox test
- Series D, stereoscopic vision
- Series F, fusion
- Series G, simultaneous perception
- Series H, simultaneous perception
- Mayou series of eight slides
- Series S, special purpose slides



For a full list of Synoptophore slides, please refer to the [HS-UK price list](#)

## Synoptophore Slide Sets

- 6411001 Set of twelve pairs for Model 2001 (D3/4, D55/56, D59/60, D71/72, F9/10, F99/100, F155/156, F201/202, G3/4, G13/14, G27/28, G59/60)
- 6411002 Set of twelve pairs for Model 2002/3 (D5/6, D51/52, D61/62, D71/72, F31/32, F71/72, F81/82, F177/178, G15/16, G47/48, G55/56, G65/66)
- 6411002 Set of eight Mayou slides
- 6411001 Set of Braddick Random Dot graded stereo slides

# Hess Screens

## Electric Hess Screen

A rigid matte grey screen, used at 50cm, faint marked with intersecting parabolae at each 5 degrees. Red LEDs at each cardinal point at 15 and 30 degree intersects. The hand-held, infrared remote control has an array of buttons for selecting each LED. Supplied with one green Foster torch, diplopia goggles and a pad of charts. An optional head/chin rest assembly can be supplied.

6908000 Electric Hess screen  
6931001 Pad of 100 charts  
6902400 Head and chinrest assembly for Hess Screen

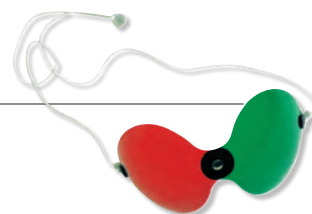


## Diplopia Goggles

Used in dissociation tests e.g. Worth 4 dot, FRIEND, Hess Screens etc. They are moulded from translucent red and green plastic materials which are almost complementary, i.e. when they are superimposed the combination is almost opaque to visible light.

The elastic headband is adjustable and reversible.

6907001

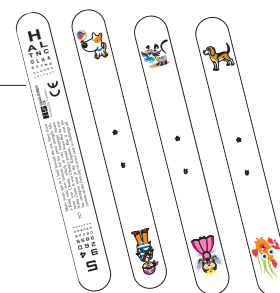


# General Orthoptic

## Children's Fixation Bar

An ideal orthoptic aid specifically designed to aid children's fixation during the prism and cover test and other orthoptic assessments. It has attractive coloured objects on one side and two reduced test types and a passage of N5 reading type on the reverse.

7004001 Original Budgie/policeman fixation stick  
7004002 Pirate/Dog fixation stick  
7004003 Fish/Dog fixation stick  
7004004 Fairy/Cat fixation stick



## Lang Fixation Bar

A white bar with brightly coloured pictures of varying sizes on one side and a near vision test on the reverse. Designed primarily to attract and hold attention during examinations.

7004011



## Kay Fixation Stick

These colourful sticks are ideal for keeping a child's attention during cover tests. Each stick contains pictures and letters.

4116120 single fixation stick

4116121 pack of 3

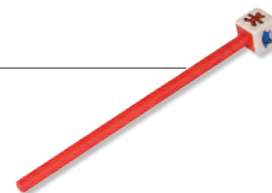


## Lang Fixation Cube

Cube mounted on holder with brightly coloured pictures on five faces of the cube. Designed to attract attention during examination.

7004010 Lang cube no.1 (white handle)

7004012 Lang cube no.2 (red handle)



## Bagolini Lorgnette

Similar to the Bagolini striated lenses but is presented in a convenient lorgnette format.

7207005



## Franceschetti Maddox Rod

The large diameter combined with a long handle facilitates examination of muscle balance. Twirling in the same manner as the cross allows the horizontal and vertical phorias to be checked in quick succession.

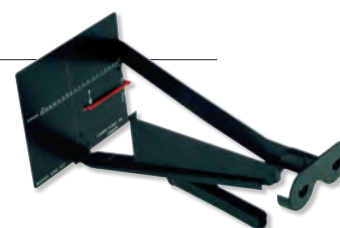
4365001



## Maddox Wing Test

A convenient hand-held, quick and efficient near test for heterophoria. Esophoria and exophoria are measured by the horizontal scale. Hyperphoria is measured on the red vertical scale. Cyclophoria may be assessed by moving the red arrow pointer parallel to the horizontal scale. Each eye piece has cell spaces to accommodate the patient's near prescription if required.

7005001



## RAF Binocular Gauge

For determining the objective and subjective convergence points. The mask eye and measuring accommodation. Consists of a light weight bar, 500mm in length, on which a sliding four-sided drum is mounted, with different tests on each panel.

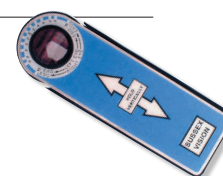
7006001



## Maddox Phoria Measure

A quick and cost-effective way of measuring Phoria imbalances. a combination of a Maddox Multiple Rod coincident with a rotatable prism. Can be used horizontally and vertically with either eye to detect the presence of Heterophoria. The orientation is clearly indicated by the printed arrows on the handle.

7005050



## Bagolini Red Filter Bar

This The Bagolini Filter Bar is used to investigate the depth of suppression in patients with amblyopia up to the age of 7 years. This instrument consists of a series of red filters of increasing density from very pale to very dark. This decreases the illumination in front of the fixating eye to induce fixation with the deviating eye and therefore diplopia.

1549223



## Neutral Density Filter Bar

This bar is an assembly of optical filters of progressive densities providing a graduated system of dissociation. Very useful to reinforce weak fusional status. A holding handle is integral. Neutral Density Bars are used to measure Afferent Pupillary Defects (APD) also termed 'diminished pupil reaction to light levels'. The log units quantify how much light is transmitted as 41%, 22%, 12% 7%, 5% and 3%. Supplied in wallet.

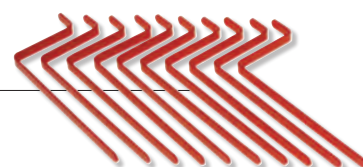
1549150



## Thumb Bar Readers

Used for exercising binocular vision at home or school. It is held against the centre of the page of reading material. Sold in packs of 10. Red.

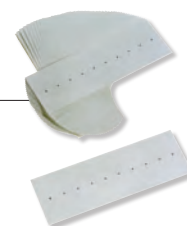
7313010



## Near Point Dot Card

Card to measure the near point of convergence and for home exercises. Range is from 6cm to 24cm.

4116110 pack of 50



# Stereograms

## Stereograms

These are printed on thin card and are suitable to give to patients for home training purposes.

Fusion and stereoscopic.



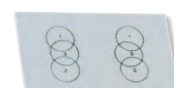
7309001 Cat



7309002 Open bucket



7309003 Closed bucket



73090051-2-3

7309006 Mayou graduated stereograms



# Prisms

## Prism Bars

Suitable for assessing both distance and near angle of deviation by the prism and cover test. The bars may also be used for the measurement of fusional reserves and vergence exercises. Both horizontal and vertical bars contain 16 prisms mounted between two aluminium channels which help to prevent the surfaces becoming scratched. Optically polished to very close tolerances, the surfaces have excellent distortion-free viewing.

Power range as follows:

Horizontal; 1, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 25, 30, 35, 40, 45Δ

Vertical; 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 20Δ

7108001 Pair of horizontal and vertical prism bars with loose 20Δ prism, in case

7108101 Horizontal prism bar with loose 20Δ, in wallet

7108201 Vertical prism bar in sheath



## Solid Prism Bars

Similar to the above prism bars but manufactured in a solid, one piece, bar of plastic.

Power range as follows:

Horizontal; 1, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 25, 30, 35, 40Δ, plus an additional loose 45Δ prism

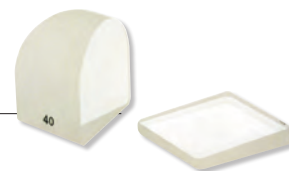
Vertical; 1, 2, 3, 4, 5, 6, 8, 10, 12, 14, 16, 18, 20, 25Δ, plus an additional 30Δ loose prism. Available as individual bars or as a pair in a case.

1561380 Pair of horizontal and vertical solid prism bars



## Plastic Prisms

Universal or square plastic prisms are useful for a number of orthoptic and ophthalmic test procedures. Available in various set sizes and as single plastic prisms.



## Fresnel Lenses and Prisms

Consist of very thin plastic membranes measuring only 1mm thick utilising the Fresnel principle of tiny lens and prism segments. May be cut to fit most frame sizes and shapes and are simply attached to the existing spectacle lenses. The membranes can be cut into small segments when bi-focal lenses are affected. Light weight and cosmetically superior to glass especially when high powers are required.

Available in a range of powers;

Prism powers:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 15, 20, 25, 30, 35, 40Δ

Lens powers (convex):

+0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6, 7, 8, 10, 12, 14, 16Δ

Lens powers (concave):

-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14Δ



## Bangerter Occlusion Foils

A system of graded foils to equalise the spatial contrast of the dominant to that of the amblyopic eye.

7103990 1.0 Bangerter Graded Occlusion Foil (visual acuity ~6/6 or 20/20)  
7103991 0.8 Bangerter Graded Occlusion Foil (visual acuity ~6/7.5 or 20/25)  
7103992 0.6 Bangerter Graded Occlusion Foil (visual acuity ~6/9 or 20/30)  
7103993 0.4 Bangerter Graded Occlusion Foil (visual acuity ~6/15 or 20/50)  
7103994 0.3 Bangerter Graded Occlusion Foil (visual acuity ~6/21 or 20/70)  
7103995 0.2 Bangerter Graded Occlusion Foil (visual acuity ~6/30 or 20/100)  
7103996 0.1 Bangerter Graded Occlusion Foil (visual acuity ~6/60 or 20/200)  
7103997 <0.1 Bangerter Graded Occlusion Foil (visual acuity <6/90 or 20/300)  
7103998 Light Perception Bangerter Foil  
7103999 00 Bangerter Foil  
7103989 Bangerter Foil bar



## General Equipment

### Torches

#### Professional Penlite

For quick and effective evaluation of the pupillary reflex. Robust, attractive penlight with matte black finish using high intensity halogen light for true tissue colour rendition and long lasting consistent illumination. Durable solid brass construction. Uses 2 x AA batteries.  
1717158



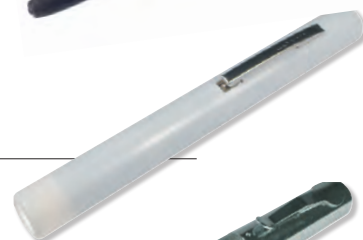
#### Reusable Pentorch

Black pen torch for corneal reflections, pupil assessment and extra-ocular motility testing. Use 2 x AA batteries (included). Operates by twisting body of torch.  
1424001



#### Disposable Pen Torch

Uses 2 x AA batteries (included). Operates by pressing clip to contact.  
7614050 Disposable Pen Torch, pack of 6



#### Focusing Pen Torches

Law torch using a spot filament bulb with a red, green or cobalt blue filter inserted in the focusing sleeve.

6101050 Focusing pen torch with cobalt blue filter  
6101070 Focusing pen torch with red filter  
6101090 Focusing pen torch with green filter



#### Handy Slit Lamp

Similar to the Law torch but employs the use of a streak or goal post filament bulb suitable for corneal examination.  
6102001



# Loupes

## Plastic Headband Loupe

A simple, lightweight loupe. The comfortable, continuous headband is fully adjustable to fit any size. Adjustable pivot knobs hold visor in any position for easy flip-up viewing. Provides magnification of x2.5.

6104001



## Alger Brush

### Alger Brush Mk II

A gentle yet highly effective corneal rust ring remover. Runs off 1 x AA battery, no switches, simply spin mandrel to operate.

6301001 Alger brush, 1mm burr

6301003 Alger Brush, 1/2mm burr

6301002 Replacement burr, 1mm burr

6301004 Replacement burr, 1/2mm burr



# Contact Lens Accessories

## Schirmer Tear Test

Useful for determining total lachrymal secretion and provides useful information prior to the fitting of contact lenses. There are 50 pairs of individually sterile tests in each box.

4701001



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