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JUTRON Vision*enhancing vision ~ enriching life*

6401001 Synoptophore Model 2001

The 2001 is the most comprehensive model in the range. All standard measurements and treatments are possible, and the model boasts an automatic flashing unit allowing each eye to be stimulated alternately or simultaneously. A removable pair of Haidinger's Brushes motor units are provided as standard, allowing users to employ pleoptic techniques to assess and treat eccentric fixation and abnormal retinal correspondence.

Synoptophore Versatile, accurate & easy-to-use:

For generations, the Synoptophore (major amblyoscope) has been THE standard instrument of choice for the busy Orthoptic clinic. It is ideal for the assessment and treatment of ocular motility disorders by reliably performing the most comprehensive binocular vision assessment available today. Versatile, accurate and easy-to-use, the Synoptophore provides precise measurements in a single, effortless examination. Standard measurements and treatments include the assessment of; the objective and subjective angle of deviation, abnormal retinal correspondence (ARC), cyclophoria, hyperphoria and horizontal and vertical vergences. The easy-to-operate variable manual controls enable the complete examination of binocular potential, within one

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instrument. It allows for the assessment of; simultaneous perception, positive and negative fusional amplitudes and gross stereopsis.

Meets IEC 60601-1-2 4th edition & regulatory standards:

The range of CE-marked Synoptophore models have been updated to meet the stringent IEC 60601-1-2 4th Edition and regulatory standards. The models have undergone rigorous safety, Electromagnetic Compatibility (EMC) and environmental testing and now boast low-smoke paint and moulded, flame-retardant plastic parts.

Complimentary slides:

An exciting range of complimentary hand-crafted slides are available, which are easily understood and recognised by patients. The slides fit all Synoptophore models and come in different colour-coded series, for use in different tests and treatments.

Comprehensive measurements:

All of the Synoptophore models allow standard measurements and treatments. They enable the assessment of simultaneous perception, fusional amplitudes and gross stereopsis even in the presence of abnormal retinal correspondence, or horizontal, vertical and torsional ocular misalignment.

Simultaneous perception:

First grade of BSV, Simultaneous Perception (SP) is easily assessed using two dissimilar images and adjusting the controls of the Synoptophore until the images are superimposed or one image is suppressed.

Fusional amplitudes:

The second grade of BSV, Sensory (SF) and Motor Fusion (MF) is measured using two similar images with incomplete controls. The eyepieces of the Synoptophore are then converged and diverged until either control disappears or the image splits into two.

Stereopsis (disparity sensitivity):

The third grade of Binocular Single Vision (BSV), Stereopsis, can grossly be quantified using two disparate images to indicate depth perception and provide a stereoacuity value.

Cyclotorsion (Circumduction):

Complex binocular vision anomalies, such as cranial nerve palsies can be fully-assessed using the ambidextrous controls of the Synoptophore. It will establish binocular potential in the presence of horizontal, vertical and torsional components.

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