

## LANG-STEREOTEST® I-R / II-R

### Intended use and main features

LANG-STEREOTESTS® are orthoptic products for binocular diagnostics and screening of disorders of stereoscopic vision in adults and children, for medical professionals.

The LANG-STEREOTESTS® I-R (Ref 103) and II-R (Ref 104) are used for rapid screening of stereopsis vision in all age groups from 6 months of age. Since loss of stereopsis is considered a key symptom of amblyopia (lazy eye), failure to recognise random dot stereograms may indicate a previously undetected, treatable disorder of binocularity (e.g., microstrabismus, anisometropia). LANG-STEREOTESTS® have proven to be highly specific and highly sensitive for stereo vision. Thanks to the unique combination of random dots and a lenticular lens, no special glasses are needed, and the eye movements of the subject may be easily observed.

### 3D Objects and Disparities

LANG-STEREOTEST® I-R	LANG-STEREOTEST® II-R
CAT 1200"	ELEPHANT 600"
STAR 600"	TRUCK 400"
CAR 400"	MOON 200",
	STAR 200" (2D visible)

### Results of Screening

**Positive:** Correctly naming or pointing all test figures. The eye movement pattern describes a triangle in the LANG-STEREOTEST® I-R and a quadrilateral in the LANG-STEREOTEST® II-R. -> No further examination required.

**Negative:** No 3D object can be detected. Eyes are scanning the test plate and then shift away from it. -> Refer patient to orthoptic eye specialist for further examination of stereoscopic vision and visual acuity.

**Doubtful:** One or more objects may be localized but are not being identified correctly. Eyes are scanning the test plate. -> Repeat test after break, without giving suggestions. -> Refer patient to orthoptic eye specialist for further examination of stereoscopic vision and visual acuity.