



2WIN-4

Binocular Mobile Refractometer and Vision Analyser



BENEFITS

- Measurement of binocular objective refraction also with glasses or contact lenses

- Refraction of infants and children from 2mths and up, seniors, impaired and non-cooperative patients.

- Early detection and documentation of multiple amblyogenic factors

- Objective measurement of sight anomalies that may be related to anisocoria, anisometropia, strabismus and phoria (software optional)

MAIN APPLICATIONS

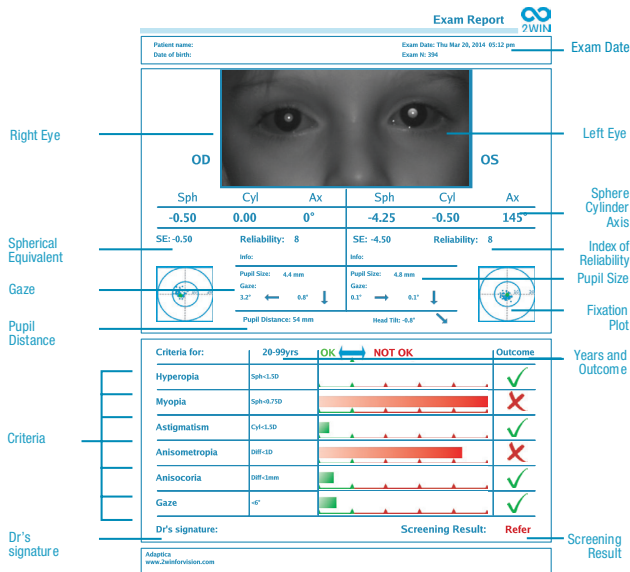
- Refractive Errors - Myopia, hyperopia, astigmatism and other amblyogenic factors
- Sight Anomalies that may be related to anisometropia, anisocoria, strabismus and phoria
- Pupil Parameters including Pupil size, distance and head tilt

HOW IT WORKS

- Binocular refraction measurement in natural vision conditions
- 2WIN measurement principle is eccentric photo-retinoscopy
- Non-Invasive
- Ease of use
- Rapid Measurement

ADDITIONAL APPLICATIONS

- **CR-App Infrared Retinoscopy** enables detection of opacities and foreign bodies
- **DP-App Dynamic Pupillometry** Automated measurement of pupil response to programmed light stimulation
- **LC-App Accurate Lens Centering** with reference to actual visual axis of the eye for better vision comfort
- **66cm-App Intermediate Distance**, Presbyopia



2WIN-4 Technical Specifications

Operating Mode:	Binocular/monocular	Working distance:	1 m ± 5 cm
Refraction Measurement:	Automatic	Data Interface:	Wi-Fi, USB, microSD card
Sphere Range:	± or -15 D, precision 0.25 D	Printer interface:	USB, Infrared (irda)
Cylinder Range:	±5 D, precision 0.25 D	Power:	Rechargeable battery
Cylinder Axis:	1° - 180°, step 1°	Battery charger:	110-220 Vac, 0.5 A
Pupil Size:	Automatic detection, 4-7mm, step 0.1mm	Size:	165 x 130 x 98mm
Pupil Distance:	Automatic detection, 30-120mm, step 1mm	Display:	3.5"
Infrared Retinoscopy:	Built-in	Weight:	840g
Fixation Target:	Built-in		
Acoustic Target:	Built-in	Options/ Accessories:	Portable wireless printer, supplementary battery, battery charger, metal case



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