



# NEW OUTSTANDING 2WIN APPLICATION



## ANALYSIS OF CORNEAL REFLEXES POSITION

### > KEY BENEFITS

Analysis of corneal reflexes position  
Operates at 1 m distance  
Fully automated and easy to use  
Binocular Occluder included

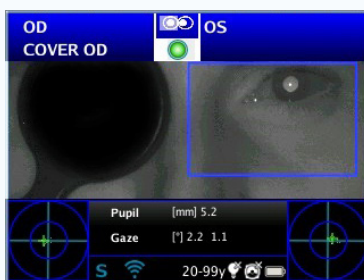
Hand held and light weight  
Battery operated  
No drops required and not invasive  
Connectivity to IR printer

## > APPLICATIONS

- > This application provides complete information regarding the **position of corneal reflexes under different conditions**.
- > Measurements are expressed either in **prism diopters or degrees**.
- > A **black occluder is included** and allows the 2WIN infrared rays to pass through while blocking all visible light: therefore a reliable cover test is made possible.



- > When a manifest asymmetry of the corneal reflexes is detected without cover test the output is ET: esotropia; XT: exotropia.
- > When an asymmetry of the corneal reflexes appears only under "infrared" cover test the output is EP: esophoria; XP: exophoria.
- > When a vertical deviation appears the output follows the same rules above exposed (HT: hypertropia; IT: ipotropia; HP: hyperphoria; IP: ipophoria;).



## WARNING

The messages (ET, XT, EP, XP, HT, IT, HP and IP) SHALL NOT be misunderstood as a diagnosis or a hint for diagnosis. The measurement shall in any case be used to refer the patient to an eye care practitioner for an evaluation.

Note that cover test can be done both with the "Adaptica" occluder or with a conventional occluder. However phorias can be visible and measured only with the help of the occluder that allows 2WIN infrared rays to pass through while blocking all visible light.

## > WHAT IS THE 2WIN

The 2WIN is a **binocular handheld refractometer and vision analyzer**.

- > Measures **refractive errors** (*myopia, hyperopia, astigmatism*), **pupil parameters** (*pupil size, pupil distance*) **sight anomalies** that may be related to anisometropia, anisocoria, strabismus, phoria;
- > Enables large-scale, very **low-cost screening programs** of the visual function;
- > Provides **check of lens correction** in binocular mode.

The 2WIN is the **ideal instrument for optometrist, (paediatric) ophthalmologists, pediatricians, primary care physicians, working medicine and Emergency Services**.

Operating mode: binocular/monocular  
Refraction Measurement: Automatic  
Sphere range: +5, -5 D, precision 0.25 D  
Cylinder range: +5, -5 D, precision 0.25 D  
Cylinder axis: 1° - 180°, step 1°  
Pupil size: Automatic detection, 4-7 mm, step 0.1 mm  
Pupil distance: Automatic detection, 30-120 mm, step 1 mm  
Fixation target: Built-in  
Acoustic target: Built-in  
Working distance: 1 m ± 5 cm  
Data Interface: Wi-Fi, USB, microSD card  
Printer interface: USB, Infrared (irda)  
Power: rechargeable battery  
Battery charger: 110-220 Vac, 0.5 A  
Size: 165x130x98mm  
Display: 3.5"  
Weight: 840 g (30 oz)  
Options/Accessories: portable wireless printer, supplementary battery, battery-charger, metal case, Wi-Fi connectivity

**Reimbursement Code in USA: CPT 99174**

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**ADAPTICA**

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