



KALEIDOS

First and unique light independent Vision Screener



Binocular Vision Screener

2WIN-S detects refractive errors such as myopia, hyperopia, astigmatism and other sight anomalies. This procedure is performed binocularly, in real life vision conditions.

Portable and light independent

2WIN-S, thanks to a small and practical suitcase, can be transported everywhere. Kaleidos tube serves as a portable dark room for the device, allowing refractive examinations in any environment and light condition.





Fast and accurate

Binocular objective refraction only takes 3 seconds using 2WIN-S. The measurement is fully automated and the accuracy of each examination is automatically checked by the device.

Un-aided refraction

2WIN-S is controlled via tablet through a user-friendly application. The device allows to delegate measurements to your collaborator and it gives its top performance in screening programs of large populations.

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2WIN-S refractometer allows simultaneous evaluation of refraction and binocular cooperation of subjects in natural (without cycloplegia) and not dissociating conditions, as opposite to autorefractometers, which only work monocularly.

2WIN-S is an indispensable device for amblyogenic risk factors screening (refractive errors, dioptric means opacity, strabismus), especially in pre-scholar children.

~ Dr. Mario Angi (Ophthalmologist)

Technical Information

• Operating mode: Binocular/monocular	• User Interface: Android application for Wi-Fi tablets, providing remote control, live streaming, data management
• Refraction Measurement: Automatic	• Data Interface: Wi-Fi, internal microSD card
• Sphere range: ± 15 D	• Printer Interface: Wi-Fi and email printing
• Cylinder range: ± 5 D	• Tube Size: 119 x 23 x 15 cm
• Cylinder axis: $1^\circ - 180^\circ$, step 1°	• Metal Stand Size: 45 x 32 x 21,5 cm
• Pupil size: 4-11 mm, step 0.1 mm	• Max height operation system: 130 cm
• Pupil distance: Automatic detection, 30-120 mm, step 1 mm	• Net Weight: 4,5 kg
• Fixation target: Built-in	• Power: Rechargeable battery pack, 50 Wh
• Acoustic target: Built-in	• Battery Charge: AC/DC medical power supply 18V, 40 W
• Measurement: Patient - Operator distance > 1 m	• Hygienical Disposable Masks: Included



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