



KALEIDOS

A look in the dark to see clearly - Binocular Vision Screener



Fast and Accurate

2WIN-S measures the objective refraction of both eyes at the same time in real life vision conditions. Just looking inside the tube, the system automatically and non-invasively detects refractive errors in three seconds in the range of -15D to +15D.

Portable and light Independent

2WIN-S is born to make the refraction measurement totally independent from the light conditions. It is a portable dark room and can operate even in the most critical situations. The tube can be broken into smaller units for packing and carrying and thanks to a small suitcase, the device is fully portable and transportable, thus costs saving since it can be easily carried and shipped anywhere.



Durable and Automatic

2WIN-S has long lasting batteries lives that allows the device to perform without need to recharge the batteries for up to one day. This is definitely a benefit in order to perform screening programs of large populations. 2WIN-S is controlled via tablet through a user-friendly and intuitive application thus you don't need a skilled operator to take the measurement.



Perfect for Mass screening Projects

2WIN-S allows to provide access to Eye Care services to each and every person in the world. It is fast and accurate, and it is recommended for Mass Screening Projects. It is reliable and sturdy, and it can perform even in the most remote areas of the world. It can be set-up very quickly allowing to see hundreds of patients per day. The shape of the device stimulates curiosity and looks very friendly, for this reason it is suitable for every people of every age: children, adults and disabled people.

Why 2WIN-S?

- Fast
- Accurate
- Fully Automatic
- Easy to Use
- Immediate Referral
- Multifunctional
- Portable
- Data Collection
- Light Independent
- Suitable for kids
- Suitable for Disabled People
- Long Lasting Batteries Lives
- Costs Saving
- Time Saving



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The 2WIN-S is a binocular mobile vision analyzer that measures the refraction of both eyes. The patient looks into the tube, and the system automatically makes readings of the eyes under ten seconds. With this device, OneSight can see close to 900 patients per day.

~ OneSight - National Geographic's article "Today's technology could be the solution to the vision care gap"

Technical Information

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| • Operating mode: Binocular/monocular | • User Interface: Android application for tablets, providing remote control, live streaming, data management |
| • Refraction Measurement: Automatic | • Data Interface: Wi-Fi, internal microSD card & Bluetooth |
| • Sphere range: ± 15 D; in the range ± 7 D, step 0.25 D
from ± 7 D to ± 15 D, step 0.50 D | • Tablet Printer Interface: Bluetooth, Wi-Fi and email printing |
| • Cylinder range: ± 5 D, step 0.25 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: Automatic detection, 4-11 mm, step 0.1 mm | • Max height operation system: 130 cm |
| • Pupil distance: Automatic detection, 30-120 mm, step 0.1 mm | • Net Weight: 5,5 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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