



Binocular Visual Analyser



KALEIDOS

Just in a few seconds

The most reliable device to detect refractive errors and vision problems, while allowing for the exam to be performed in a natural, fun and independent way.

Kaleidos is a mobile binocular refractometer and vision analyser that measures both eyes at the same time, in real life vision conditions. It incorporates the best and most complete technologies, in order to fully detect refractive errors, eye abnormalities and vision problems by measuring objective refraction in the range of -15D to +15D, and dynamic pupil response to programmable light stimulations, just by looking for a few seconds into this responsive instrument.

The Kaleidos main applications

- ① Binocular refraction measurement in natural vision conditions
- ② Refractive errors: myopia, hyperopia, astigmatism and other amblyogenic factors
- ③ Early detection and documentation of multiple amblyogenic factors
- ④ Un-aided binocular refraction of all patients
- ⑤ Sight anomalies related to anisometropia, anisocoria, strabismus, phoria
- ⑥ Pupil parameters: pupil size, pupil distance and head tilt
- ⑦ Measurement of refraction at different pupil size
- ⑧ Measurement of dynamic pupils response to programmable light stimulations

Technical Specifications

Operating mode: Binocular/monocular	Acoustic target: Built-in
Refraction Measurement: Automatic	Data Interface: Wi-Fi, internal microSD card
Sphere range: ± 5 D, precision 0.25 D	Printer Interface: Wi-Fi, mail printing compatible
Cylinder range: ± 5 D, precision 0.25 D	User Interface: Android application for Wi-Fi smartphones and pads, providing remote control, live streaming, data management
Cylinder axis: $1^\circ - 180^\circ$, step 1°	Power: Rechargeable battery, 20000 mAh, microUSB, input 5V/2A
Pupil size: Automatic detection, 4-7 mm, step 0.1 mm	Tube Size(mm): 115x22x12 - Metal Stand Size(mm): 63 x 44 x 32 - Max height operation system: 149 mm
Pupil distance: Automatic detection, 30-120 mm, step 1 mm	Net Weight: 5.5 kg (195 oz)
Fixation target: Built-in	

The Kaleidos main benefits

- ① Because of its functioning, it is an eminently marketable instrument
- ② Its measuring is extremely accurate, consistent and replicable
- ③ Its functioning is entirely independent of the surrounding light
- ④ Measuring happens automatically
- ⑤ The measuring process is extremely quick
- ⑥ Its battery lasts ten times as much as a normal one
- ⑦ The system can be managed via tablet/ smartphone



The perfect start to define the eyes' correction needed!