



2WIN



KALEIDOS



VISIONFIT

Mobile Wireless Refraction System



## Everyone, Everywhere

MWRS allows the professional to accommodate his entire refraction practice in a single carry-on that can be taken immediately to practice everywhere. In order to serve any patient, our technology is very robust, light and mobile, as well as accurate, reliable and connectable to the internet.



## Objective and Subjective refraction in a few minutes

The Mobile Wireless Refraction System (MWRS) is the combination of 2WIN and VisionFit SC or Kaleidos and VisionFit SC. In MWRS configuration the two devices work together in a synchronized way, allowing to perform objective and subjective refraction in just a few minutes.



## More space for additional needs

2WIN, Kaleidos and VisionFit SC allow for an increased amount of versatility regarding the examination room's layout. The devices' unique portability eliminates the large refraction unit or special installation procedures needed to receive the desired results, and the entire system is easily controlled with just one tablet.

# Technical Information

## 2WIN

• <b>Operating mode:</b> Binocular/monocular	• <b>Working distance:</b> 1 m $\pm$ 5 cm
• <b>Refraction Measurement:</b> Automatic	• <b>Data Interface:</b> Wi-Fi, USB, microSD card
• <b>Sphere range:</b> +15, -15 D, step 0.25 D	• <b>Printer interface:</b> USB, Infrared (IrDA)
• <b>Cylinder range:</b> +5, -5 D, step 0.25 D	• <b>Power:</b> Rechargeable battery
• <b>Cylinder axis:</b> 1° – 180°, step 1°	• <b>Battery charger:</b> 110-220 Vac, 0.5 A
• <b>Pupil size:</b> Automatic detection, 4-11 mm, step 0.1 mm	• <b>Size:</b> 165x130x98mm
• <b>Pupil distance:</b> Automatic detection, 30-120 mm, step 1 mm	• <b>Display:</b> 3.5"
• <b>Fixation target:</b> Built-in	• <b>Weight:</b> 840 g (30 oz)
• <b>Acoustic target:</b> Built-in	• <b>Options/Accessories:</b> Supplementary battery, battery-charger, metal case, Wi-Fi connectivity

## KALEIDOS

• <b>Operating mode:</b> Binocular/monocular	• <b>User Interface:</b> Android application for Wi-Fi tablets, providing remote control, live streaming, data management
• <b>Refraction Measurement:</b> Automatic	• <b>Data Interface:</b> Wi-Fi, internal microSD card
• <b>Sphere range:</b> $\pm$ 15 D	• <b>Printer Interface:</b> Wi-Fi and email printing
• <b>Cylinder range:</b> $\pm$ 5 D	• <b>Tube Size:</b> 180 x 26 x 14 cm
• <b>Cylinder axis:</b> 1° – 180°, step 1°	• <b>Metal Stand Size:</b> 41 x 44 x 32 cm
• <b>Pupil size:</b> 4-11 mm, step 0.1 mm	• <b>Max height operation system:</b> 129 cm
• <b>Pupil distance:</b> Automatic detection, 30-120 mm, step 1 mm	• <b>Net Weight:</b> 3,8 kg
• <b>Fixation target:</b> Built-in	• <b>Power:</b> Rechargeable battery pack, 50 Wh
• <b>Acoustic target:</b> Built-in	• <b>Battery Charge:</b> AC/DC medical power supply 18V, 40 W

## VISIONFIT SC

• <b>Spherical correction range:</b> -10/+10 D – up to -20/+20 D with the use of a provided additional lens. Adjustable fluidity steps from 0.05 to 0.50 D.
• <b>Cylindrical correction range:</b> 0 to 10 D by steps from 0.08 to 0.50 D
• <b>Axis adjustment range:</b> 1-180° by steps of 1°
• <b>Corneal vertex distance range:</b> 10-18 mm
• <b>Manual pupil distance adjustment range:</b> 50-80 mm, separated right and left
• <b>Device free aperture:</b> 30°
• <b>WiFi Module:</b> Radicom, model: WIFIHU-a
• <b>Bluetooth Module:</b> IDATA, USB 2.0 Bluetooth Mini Class 2+EDR
• <b>Power requirement:</b> Voltage: 100-240 VAC, 50-60 Hz; Power consumption: 60 VA



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