

# EUROFRAC<sup>®</sup> HAND HELD AUTOREFRACTOR



Ocular Screening

# EUROFRACER HAND HELD AUTOREFRACTER

## Technical data

**Operation mode:** Bino/Mono

**Optometry:** Automatic

**DS:** Range: -7.50D~+7.50D

Resolution: 0.25D/0.01D

Accuracy:  $\pm 0.50D$

**DC:** Range: 0.00D~3.00D

Resolution: 0.25D/0.01D

Accuracy:  $\pm 0.50D$

**Axis:** Range:  $1^{\circ}$  ~ $180^{\circ}$

Resolution:  $1^{\circ}$

Accuracy:  $\pm 5^{\circ}$

**Pupil size:** Range: 4.0 mm~9.0 mm

Resolution: 0.1mm Accuracy:  $\pm 0.1$  mm

**Pupil distance:** Range: 35 mm~80 mm

Resolution: 1mm Accuracy:  $\pm 1$  mm

**Gaze:**  $0^{\circ}$  ~  $20^{\circ}$

**Measuring distance:**  $1\text{ m} \pm 5\text{ cm}$

**Time per measurement:** ~1s

**Fixation target:** Light flash, attractive sound

**Data interface:** Wi-Fi, USB

**Printer interface:** USB

**Battery:** Rechargeable lithium batteries, 6 hours of duration, Replaceable

**Size:** 180mm×130 mm×110mm

**Display:** 5 inch touch screen

**Weight:** 0.8Kg

**Optional accessories:** Camera tripods, printer, etc

### Optometry

§ Binocular Detection

§ DS

§ DC

§ Axis angle

§ Pupil size

§ Interpupillary distance

§ Direction of fixation

§ Record the abnormal reflection of the light

### Screening

§ Myopia

§ Hyperopia

§ Astigmatism

§ Strabismus

§ Pupil size vary

§ Anisometropia

§ Asymmetric fixation

§ The abnormal reflection of the light



# Optometry/Screening Easy as snapshot



Binocular refractive Detection

Pupil diameter measurement

Work distance 1m

Automatic detection

Screening takes 1 Seconds

Handheld devices, light-weight

Replaceable rechargeable battery

Non-invasive measurement

Output test report

The abnormal reflection of the eye effecting by the infrared light can be screened out

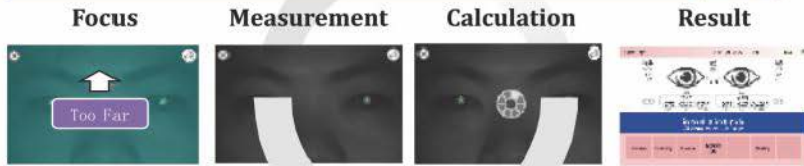


Normal

Abnormal

Abnormal situation: The abnormal reflection of the eye effecting by the infrared light needs to be checked further, Suspected Cataract, Vitreous opacity, and Retinal tumor, etc.

## The whole optometry process 3'-5'



Ultrasonic Ranging & Auto Focus  
Screening is performed  
from 1 m away



# EUROTECH OPTICAL

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