



# ES-HAR900

Portable auto refractometer



OPHTHALMOLOGY / ENT



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## Features

*ES-HAR900 is a portable vision screening instrument used in all age groups. The working principle of the ray through the eye refraction refractive system focusing on the sensor, the signal processing through the eyes of the spherical, cylindrical diopter and axial refractive data.*

1. One key operation for test result
2. One measurement detect multiple eye problems, including myopia, hyperopia, astigmatism and anisometropia.
3. Accurate results in less than 5 seconds.
4. Intelligent flashing light and sound guidance requires minimum patients' cooperation. It is especially suitable for young children.
5. It can be widely used in vision screening for children, adults, and seniors, even patients wearing glasses or contact lenses.

*The advanced design concept combines ergonomics and aesthetic. Easy and comfortable operation is achieved with a retractable hand strap*

## Specification

**Sphere range:** Myopia Mode: -9.00D ~ +2.50D (Interval:0.25D)  
Normal Mode: -6.00D ~ +8.00D (Interval:0.25D)

**Sphere tolerance:** ±0.50D or ±20% (whichever is greater)

**Cylinder range:** -3.00D ~ 0.00D (Interval:0.25D)

**Cylinder tolerance:** ±0.50D or ±20% (whichever is greater)

**Axis:** 1° ~ 180° (Interval:1°)

**Axis tolerance:** ±5°

**Working distance:** Myopia Mode: 28cm

Normal Mode / Infant mode: 35cm

**Dimensions:** 200mm (length) × 80mm (width) × 270mm (height)

**Weight:** 0.9kg

**Power:** 100-220V/50-60HZ/1.5A

**Charge time:** ≤ 2 hours

**Battery life:** ≤ 4 hours

**Printer:** Portable thermal printer



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