

# The feel of a well-crafted manual phoropter



Essential manual  
phoropter



## MPH 150

is a traditional phoropter incorporating gold-standard features in a reliable build. It is engineered to last and to offer a premium manual feel.



### 1. Extensive lens & Filter range

#### Versatile lens and filter selection

Supports a wide range of visual assessments across clinical refraction procedures.

#### Built-in cross-cylinder and polarization filters

Synchronized cross-cylinder mechanisms for astigmatism testing.

#### Measurement capabilities

Accommodates various patient profiles with broad sphere, cylinder, and prism ranges.

### 2. Manual feel and build



#### Smooth mechanical controls

Delivers tactile adjustments for consistent and intuitive operation.



#### Resistant metal chassis

Built for daily use with long-lasting mechanical reliability\*.

#### Well-balanced design

The form factor is optimized for ergonomic handling and exam room examination.

### 3. Flexible configuration options

#### Black or light gray finish

Blends seamlessly into various clinical environments.

#### Compatible with standard horizontal mounts

Easily integrates with refraction units or wall-mounted arms.

#### Available in minus and plus cylinder models\*\*



\*The MPH 150 mechanical parts are serviceable to ensure usage consistency over time.

\*\*Plus cylinder version offered in black finish, availability upon local registration.



# Technical specifications

## Measuring range

Pupillary distance	50 mm - 75 mm (1.0 mm)
Sphere	-19.00 D ~ +16.75 D (0.25 D and 3.00 D)
Cylinder	0 D ~ -8.00 D (0.25 D) with -2.00 D cylinder accessory lenses provided (Plus cylinder version delivered with +2.00 D cylinder accessory lenses*)
Axis	0° - 180° (1° / 5° / 15°)
Prism	0 - 20 Δ (0.1 / 0.5 / 1.0)

## Others

Convergence (near-vision)	•
Vertex distance	13.75 mm

## Auxiliary lens

Red/green filter	•
Polarizing filter	•
Prism	6 Δ / 10 Δ
Rod Maddox (horiz./vertic.)	Red / White
Lens for retinoscopy	•
Cross cylinder (+0.50 D)	•
Pinhole	•
Occluder	•
Cross	•

## Mobile accessories

Cross cylinder	±0.25 D (±0.50 D in option)
Prism	0 - 20 Δ

## Dimensions and weight

Dimensions (WxHxD)	(330 - 355) x 300 x 100 mm
Weight	4.5 kg

\*Plus cylinder option is exclusive to the Black MPH 150.



MPH 150-Brochure-EN-V1-Feb2026

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MPH 150 models are EU Class I medical devices intended for Optometry. CE marked.  
Manufacturer: YEASN. For professional use only, read attentively the instructions for use. As improvements are made, these specifications are not contractually binding and may be modified without prior notice.

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