

# Chart Projector CP-40



*Serving Your Vision*



## Chart Projector CP-40

A long-life LED Chart Projector



The light source changed from a conventional electric bulb type to an LED type which decreases CO<sub>2</sub> emissions and also reduces electrical power consumption. The LED replacement is virtually never needed.



Now with Log MAR charts, a wider range of test charts are available.

Vertical, horizontal, and single-character masks are available. Or, it can be fully open.

Visual acuity values are displayed in the test frame.

Charts can be changed either with the chart buttons or the arrow buttons on the controller.

Chart units are sealed and dust-tight, and can be replaced with other units.

With the friction method, the angle of the main unit can be adjusted vertically and horizontally (tilting up and down, and swinging left and right).

The controller offers ergonomically aligned buttons.

### TYPE 9 (Standard)

* F 0.05	* T P 0.1 R E Z 0.15	* D X H 0.2 E Z O 0.3	P N H T D 0.4 O R F Z X 0.5 T H D P E 0.6	F O X R N 0.7 P Z D T E 0.8 X T N H O 0.9	R F Z D P 1.0 H E O X N 1.2 N X T P D 1.5	* W 0.05	* M E 0.1 E M W 0.15
* W E M 0.2 M E E W 0.3	* W E E W M 0.4 M E E M W 0.5 E W M E E 0.6	* W E E M E 0.7 M E E M W 0.8 E M W E M 0.9	* M E E W E 1.0 E E M E W 1.2 W M W E E 1.5	* 9 7 0.1 0 4 2 0.15	* 7 6 9 0.2 3 4 2 0.3	6 2 9 0 4 0.4 0 7 2 6 3 0.5 2 4 0 7 9 0.6	0 9 6 4 3 0.7 6 3 0 2 7 0.8 2 6 4 0 9 0.9
4 2 3 7 6 1.0 3 7 4 9 0 1.2 9 6 2 3 7 1.5	E N H O T 1.0 7 0 9 6 3 1.0 E E M E W 1.0	* Flower 0.1	* Sun 0.2 Tractor 0.4	* Symbols 0.5 0.8 1.0	Sunburst 1.0	Circle with dots 1.0	Square with dot 1.0
Circle with lines	E Z Z E 0.1 P T T P 0.1	Vertical lines	Plus sign	Star	Dot		

Note: The visual acuity charts with the mark "\*" are available only with the open mask.

### TYPE 7 LogMAR Chart

* F 120 0.05	* T P 60 R E Z 0.1 0.125	* D X H 38 E Z O 0.16 0.2	P N H T D 24 O R F Z X 0.25 T H D P E 0.4	F O X R N 12 P Z D T E 0.5 X T N H O 0.8	R F Z D P 6 H E O X N 1.0 N X T P D 1.6	* W 120 0.05	* M E 60 E M W 0.1 0.125
* W E M 38 M E E W 0.16 0.2	* W E E W M 24 M E E M W 0.25 E W M E E 0.4	* W E E M E 12 M E E M W 0.5 E M W E M 0.8	* M E E W E 6 E E M E W 1.0 W M W E E 1.6	* 9 7 60 0 4 2 0.1 0.125	* 7 6 9 38 3 4 2 0.16 0.2	6 2 9 0 4 24 0 7 2 6 3 0.25 2 4 0 7 9 0.4	0 9 6 4 3 12 6 3 0 2 7 0.5 2 6 4 0 9 0.8
4 2 3 7 6 6 3 7 4 9 0 1.0 9 6 2 3 7 1.6	E N H O T 6 7 0 9 6 3 1.0 E E M E W 1.0	* Flower 60 0.1	* Sun 30 Tractor 0.2 0.4	* Symbols 9.6 0.63 1.0	Sunburst 1.0	Circle with dots 1.0	Square with dot 1.0
Circle with lines	E Z Z E 0.1 P T T P 0.1	Vertical lines	Plus sign	Star	Dot		

Note: The visual acuity charts with the mark "\*" are available only with the open mask.

### TYPE 8 LogMAR Chart

* Circle 120 0.05	* O O 60 O O C 0.1 0.125	* O O O 38 O C O 0.16 0.2	O O O O 24 O O C O 0.25 O O O O 0.4	O O O O O 12 O O O O O 0.5 O O O O O 0.8	O O O O O 6 O O O O O 1.0 O O O O O 1.6	* W 120 0.05	* M E 60 E M W 0.1 0.125
* W E M 38 M E E W 0.16 0.2	* W E E W M 24 M E E M W 0.25 E W M E E 0.4	* W E E M E 12 M E E M W 0.5 E M W E M 0.8	* M E E W E 6 E E M E W 1.0 W M W E E 1.6	* 3 120 0.05	* 9 7 60 0 4 2 0.1 0.125	* 7 6 9 38 3 4 2 0.16 0.2	6 2 9 0 4 24 0 7 2 6 3 0.25 2 4 0 7 9 0.4
0 9 6 4 3 12 6 3 0 2 7 0.63 2 6 4 0 9 0.8	4 2 3 7 6 6 3 7 4 9 0 1.0 9 6 2 3 7 1.6	* Cup 60 0.1	* Symbols 30 0.2 0.4	* Symbols 9.6 0.63 1.0	Sunburst 1.0	Circle with dots 1.0	Square with dot 1.0
Circle with lines	E Z Z E 0.1 P T T P 0.1	Vertical lines	Plus sign	Star	Dot		

Note: The visual acuity charts with the mark "\*" are available only with the open mask.

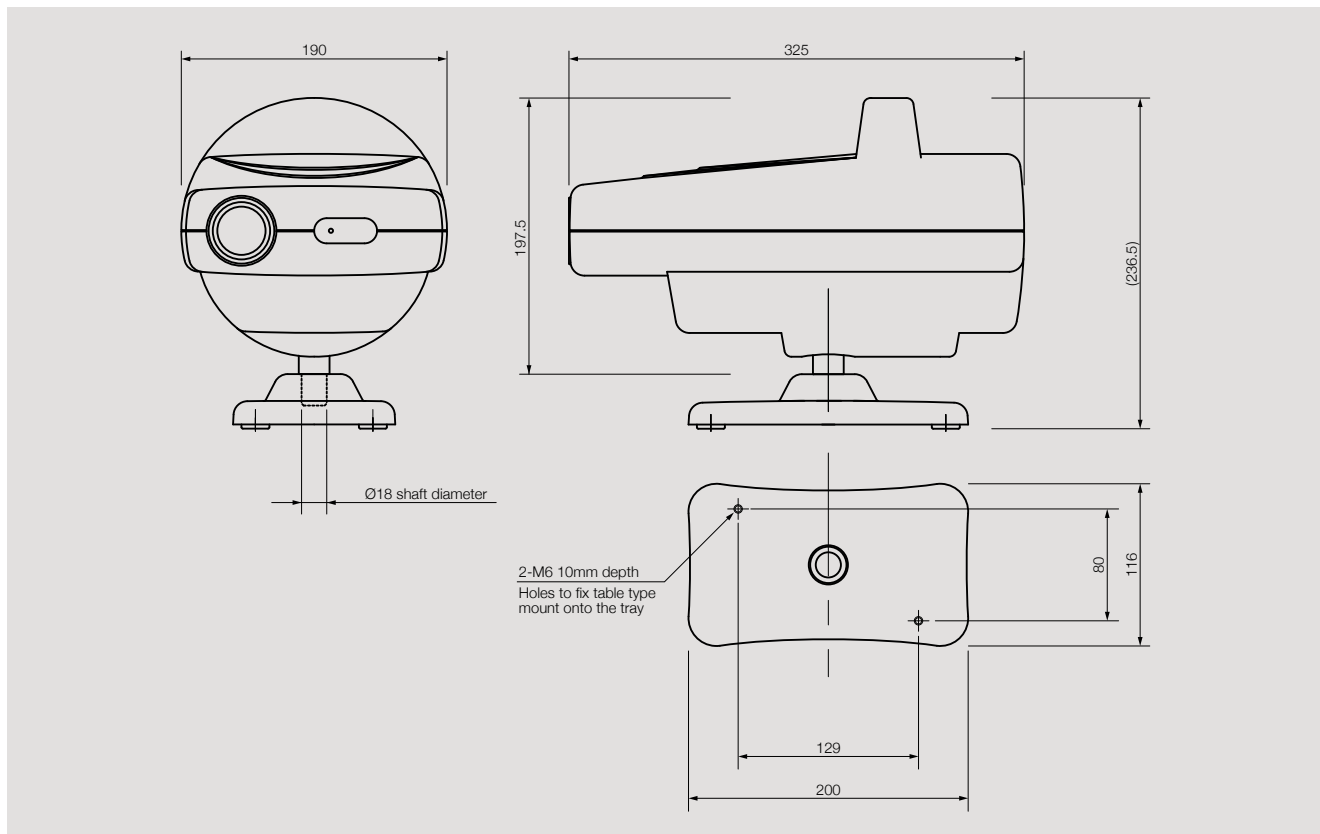


## Specifications

<b>Projecting distance</b>	2.9 - 6.1m
<b>Projection size</b>	240(W) × 216(H)mm ø240mm (When using at a distance of 5m)
<b>Mask</b>	Red/Green filter:1
	Horizontal slits:3
	Vertical slits:5
	Spots:15
<b>Rotating speed of chart disk</b>	0.1 sec/frame, within 0.7 sec. maximum
<b>Rotating speed of mask disk</b>	0.1 sec/frame
<b>Program provided</b>	2 kinds with 31 steps each
<b>Main bulb used</b>	LED
<b>Power Saving</b>	Automatically power off 10 minutes after use
<b>Control</b>	Infrared wireless remote control
<b>Power source</b>	AC100V-AC240V 50/60Hz
<b>Mounts available</b>	Table type, Wall type
<b>Tilting function</b>	Tilts up and down / left and right
<b>Weight</b>	4.1kg



## Dimensions



**Caution** To ensure safe and correct handling please read the user manual before using.

- Description and appearance as detailed in this catalogue may be subject to change as improvements are made to products.
- Colours as they appear in catalogue photographs may be slightly different to actual products due to lighting conditions when photographs were taken, or print colours.



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