

One vision, Two sharp eyes with Our Innovation

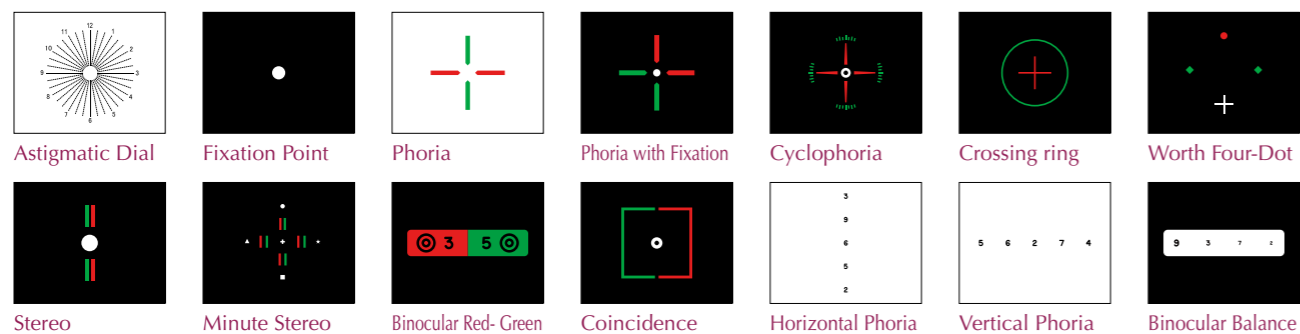
# FC-1000

Flat Panel Chart

## FC-1000 SPECIFICATIONS

<b>Examination distance</b>	3m, 3.5m, 4.0m, 4.5m, 5.0m, 5.5m, 6.0m, 20feet
<b>Optotypes</b>	Landolt, Pediatric Charts, Japanese Letters, Snellen(E), Alphabets, Numbers
<b>Masks</b>	Vertical Line, Horizontal Line, Single Character, Black Mask, Mirror Viewing
<b>Visual function examination charts</b>	Binocular Balance, Binocular Red-Green, Three-Rod Depth Perception, Stereo, Minute Stereo, Phoria, Phoria with Fixation, Cyclophoria, Schober, Coincidence, Worth Four-Dot, Horizontal Phoria, Vertical Phoria, Red-Green, Fixation Point, Astigmatic Dial, Astigmatism Dots
<b>Test modes</b>	Normal test mode, Interactive mode, ETDRS mode, Visual function examination mode, Slideshow mode
<b>Range of eyesight values</b>	0.03 to 2.0, +1.5 to -0.3, 20/630 to 20/10, 6/200 to 6/3
<b>Scales</b>	Decimal, logMAR, fraction
<b>Range of contrast sensitivity test</b>	
Normal test mode	100%, 25%, 12%, 6%
ETDRS	100%, 10%
<b>Data Input Format</b>	USB1.1/2.0
<b>Display</b>	
Main unit	19 inches SXGA(1280(w)x1024(H))dots, dot pitch 0.294mm
Remote control	STN Gray Positive type (122x32 dot matrix)
<b>Dimensions and Weight</b>	
Main unit	542(W) x 454(H) x 50(D) mm, 8.5kg
Remote control	80(W) x 35.5(D) x 250(H) mm, 200g
<b>Power Source</b>	
Main unit	AC100V - 240V Frequency 50/60Hz Consumption power 65 - 80VA
Remote control	Battery Type Voltage DC3.0V Two alkaline dry-cell batteries (LR6)

### Chart



**Tomey Corporation [Asia-Pacific]**  
2-11-33 Noritakeshinmachi  
Nishi-Ku, Nagoya, 451-0051, Japan  
Tel: ++81-52-581-5327  
Fax: ++81-52-561-4735  
E-Mail: intl@tomey.co.jp

**Tomey GmbH [Europe]**  
Am Weichselgarten 19a  
D-91058 Erlangen-Tennenlohe, Germany  
Tel: ++49-9131-77710  
Fax: ++49-9131-777120  
E-Mail: info@tomey.de

For more information, visit our web site <http://www.tomey.com>

©2008 Tomey Corporation. Specifications are subject to change without notice. Any products mentioned herein are registered trademarks of their respective owners.

One vision, Two sharp eyes with Our Innovation

# FC-1000

Simple and elegant shapes

## Flat Panel Chart



- "Wave" design
- Various optotypes
- Enhanced visual function test charts
- Interactive mode
- "Wave" design that gently fits hands (Remote control)



One vision, Two sharp eyes with Our Innovation

FC-1000  
Flat Panel Chart

# Simple and elegant shapes



## “Wave” design

“Wave” design, which completely reforms the image of the vision tester. Simple but elegant shape feels you relieved.

## Various optotypes

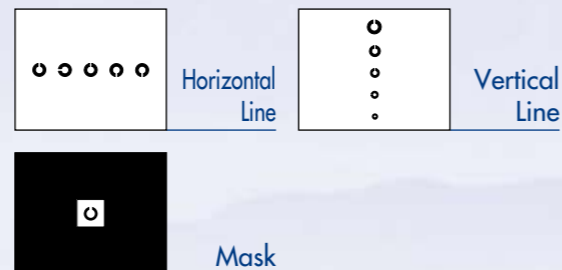
“Landolt’s ring,” “Picture,” “Snellen(E),” “Alphabet,” and “Numbers” are available for the optotype. The chart for up to the eyesight of 0.03 can be displayed and patients do not need to approach the tester during a weak eyesight test.

## Change of the installation distance

The installation distance can be changed in increments of 50 cm between 3 m and 6 m, and 20 feet according to the layout in the test room.

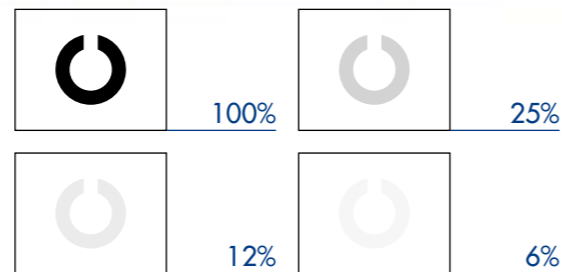
## Display of Optotype

Optotypes are displayed not only individually but also in a vertical line or horizontal line so that the test can be performed more effectively. The masking function is provided to capture the patient's attention easily when displaying a small optotype.



## Change of the contrast

The contrast of charts is changeable by 4 steps. This setting change is useful to check the eyesight for observations on progress after surgeries of cataract, refractive vision correction, etc.



## Slideshow mode

Slideshow mode automatically changes images at the specified speed when the USB flash memory that stores the images is inserted. You may create your original images and show them for various notations or public relations.

## Enhanced visual function test charts

Various types of visual function tests such as The eye position, Fusion, and Stereo vision are available by using the red-green glasses with this tester.



## “Wave” design that gently fits hands (Remote Control)

- “Wave” design that allows you to hold and press buttons easily.
- The balance of weight is also carefully designed to reduce fatigue even after a long operation.
- A hole for the hand strap is provided to prevent the remote control from being dropped.



## Interactive mode

Obtains the eyesight value by entering the inspection results (patient's answers are correct or not) into the remote control according to the inspection flow determined by the instrument.



## Reliable operation

- Up to 8 sets can be installed in one location.
- Pressing an operation button once transmits a signal twice so that the signal is received more certainly.
- High-frequency of 455 kHz is adopted for signals (used to be 38 kHz). The transmission time is shortened from 100 ms to 10 ms in order to reduce incorrect operation when the adjacent instrument is used simultaneously.
- The transmission LED is located in 2 positions and the transmission power is doubled.



Buttons frequently used for usual inspections such as for the eyesight value chart, astigmatism chart, and red-green chart are laid in the area where the finger easily reaches.

Buttons frequently used are in orange and the other buttons in gray. Also the protrusion of buttons varies depending on whether or not they are used frequently so that the inspector easily finds necessary buttons.



In particular, the button for changing the optotype gap is designed to be durable and an easily-pressed shape.