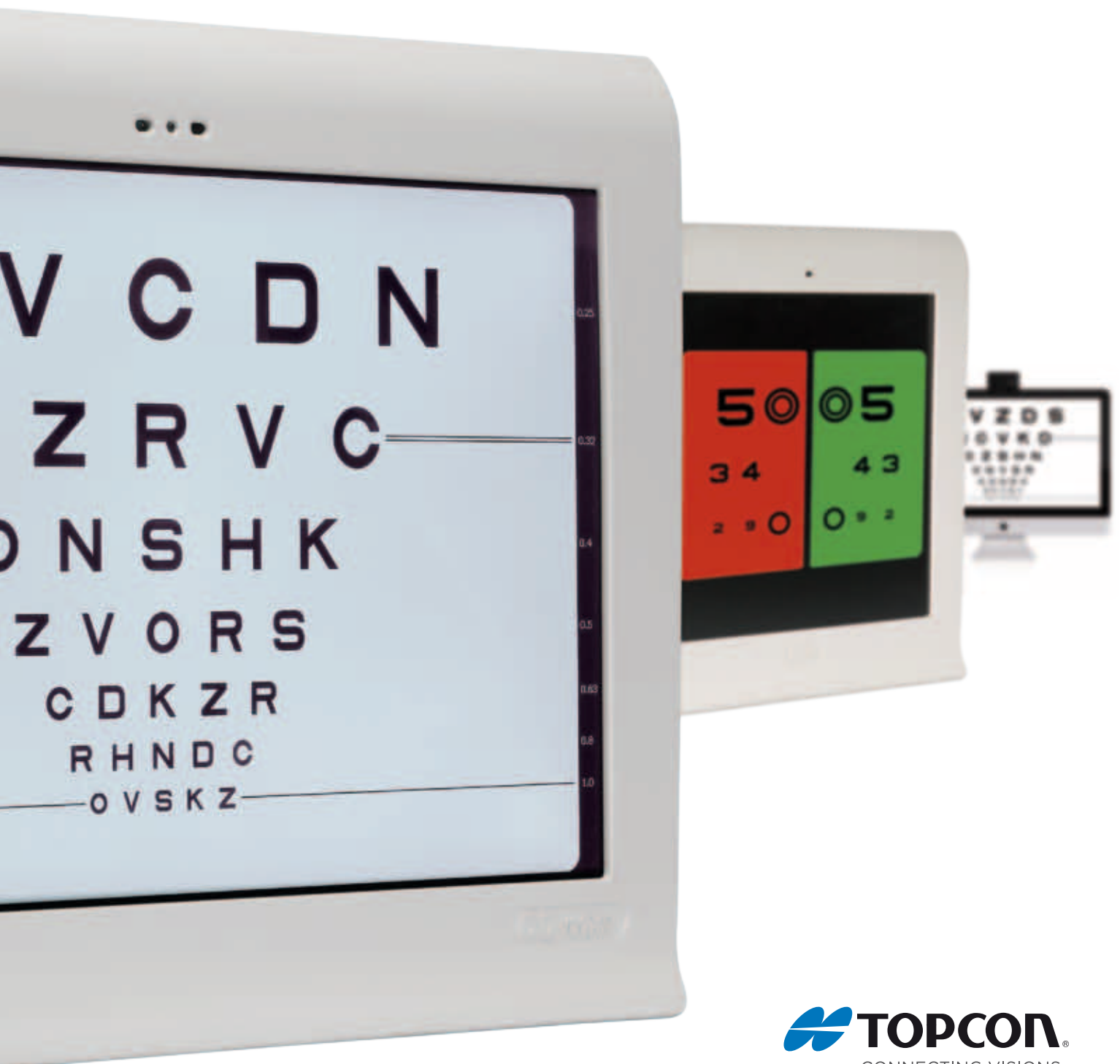


Computerised Chart Systems

CC-series



YOUR PERSONAL TEST CHART LCD

Computerised Chart Systems

Topcon offers a wide range of Computerised Chart Systems. Depending on your wishes Topcon offers a matching system. Topcon chart systems can be operated as stand alone or can be integrated in a Topcon refraction lane.

CC-90SW

Topcon CC-90SW is a flexible chart system. You can use your own TFT monitor and pc, ranging from 19", including Apple Macintosh™ screens. An all-in one PC is suitable as well. The CC-90 SW will be attached to your screen.

Topcon CC-90 SW performs the most commonly used visual acuity tests, like Letters, Landolt C, Tumbling E, Numbers and Children charts. The White Maddox LED light supports the Maddox testing.

The CC-90SW is supplied with a remote controller. The CC-90SW can be operated through the Topcon CV-5000 phoropter as well. The CV-5000 supports all the functions in the CC-90SW.

An easy calibration kit assures the correct projection of the visual acuity test.

- » Wide range of Optotypes
- » White Maddox LED light source
- » Flexible set-up
- » Usable with every consumer monitor
- » Flex control: remote controller, controlled through Topcon CV-5000



CC-100

The Topcon CC-100 is a versatile solution to present charts to patients. The high resolution 19"LCD ensures clear and bright chart display. All commonly known acuity test are available, including ETDRS. The CC-100 provides image separation through red and green. Data can be sent through WiFi to PC.

- » Wide range of Optotypes
- » White Maddox LED light source
- » Random function
- » High resolution 19" monitor
- » Integrated PC



CC-100XP

The Topcon CC-100XP is the top model of the Chart System line. All important visual acuity tests, binocular tests, colour vision tests and contrast sensitivity tests are available.

The spatial Frequency Contrast Sensitivity is a unique feature, which provides quantitative and qualitative information about the patients contrast visual acuity.



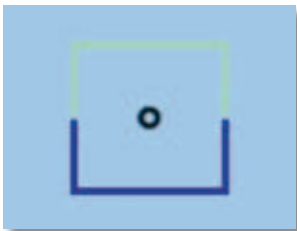
Image separation for binocular testing is created through a specific polarisation technique which is unique for LCD test charts. This unique polarisation technique provides 100% image separation, without any "ghost image"! This is a significant improvement compared to all conventional polarised LCD chart systems currently available on the market.

White Maddox LED

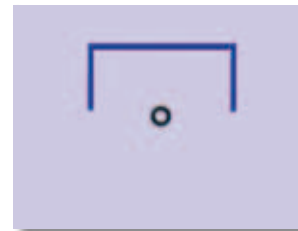
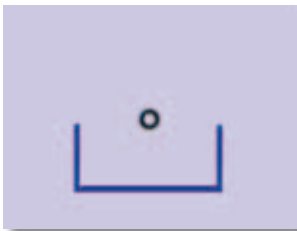
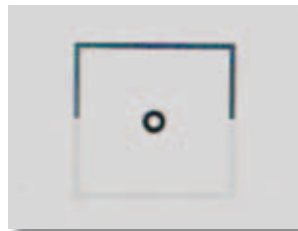
The white Maddox LED provides a small light source, extremely well fitted for Maddox testing. All conventional LCD chart systems provide the Maddox light within the LCD display itself, which is either too big or not bright enough to perform proper Maddox testing

The Topcon CC-100XP can send data through USB or WiFi.

- » 100% polarisation
- » Wide range of Optotypes
- » Spatial Frequency Contrast Sensitivity Test
- » White Maddox LED light source
- » MKH test sequence according to Haase



Ghost images and different background colors in conventional LCD chart systems



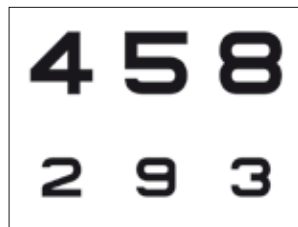
100% separation and equal background in Topcon CC-100XP

Visual acuity charts of the Topcon computerised chart systems

The Topcon chart systems offer the most commonly used visual acuity tests ranging from Letters, Tumbling E, Landolt C and Numbers up to three different Children charts.



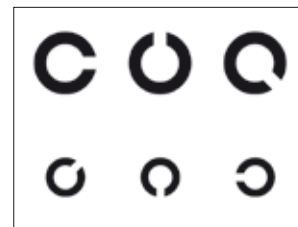
VA charts available in characters



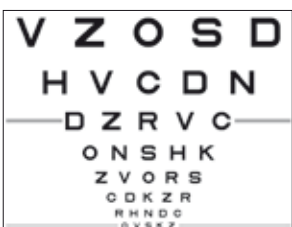
Numbers



Tumbling E



Landolt C

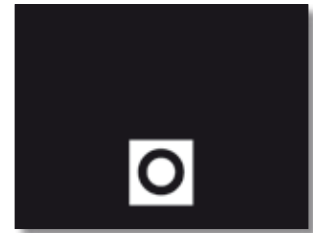
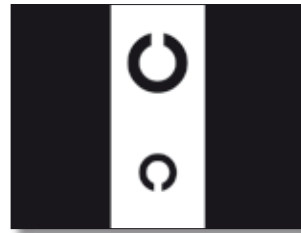


ETDRS chart (2)

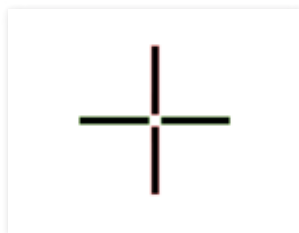


Illiterates and children charts

Masking is available for horizontal (row), vertical (column) and single characters



MKH test sequence according to Haase



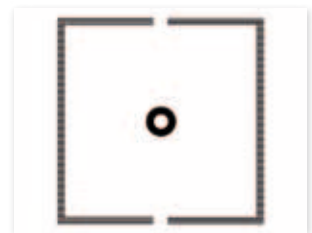
Cross



Indicator



Double indicator



Coincidence



Stereo triangle



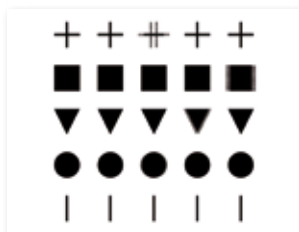
Reduced stereo triangle



Stereo Valence



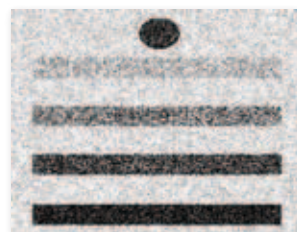
Reduced Stereo Valence



Differential stereo



Random dot Topcon



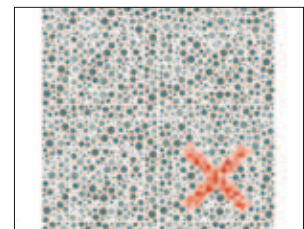
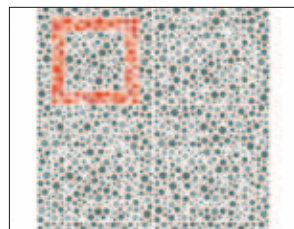
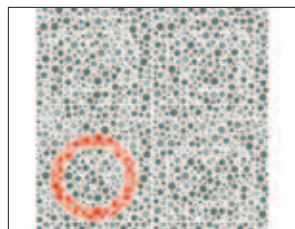
Random dot Stages



Cowen

MKH test sequence is available in CC-100XP for functional optometry testing

Pseudo-Isochromatic Color Vision Test



The Pseudo-Isochromatic test is based on the well-known HRR test, but providing better quantitative data on color vision deficiencies. CC-100XP displays the results in an easy to understand graph which is printable as well. Pseudo-Isochromatic Vision tests are available in CC-100 and CC-100XP.

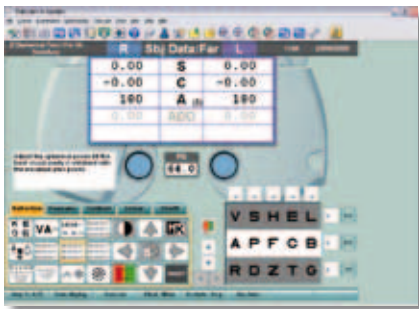
Spatial Frequency Contrast Sensitivity Test



The Spatial Frequency Contrast Sensitivity Test can be customized by setting the amount of spatial frequencies and contrast levels. The result gives valuable information on the patients contrast visual acuity. Test results are displayed in a graph which is printable as well. Spatial Frequency Contrast Sensitivity test is applicable for CC-100 and CC-100XP.

Versatile operation

The Topcon chart systems can be operated in various ways. Operation can be done by Topcon's dedicated CV-5000 automated phoropter in combination with the KB-50 operation panel, or CV-5000PC operation software. The Apple I-Pad™ can be used as well. This innovative and stylish solution offers a wireless operation and it can be used for other applications as well.



CV-5000 PC operation window



CV-5000 optical head



KB-50 operation panel



iPad solution



The remote control offers easy operation and full functionality of CC-100 series

