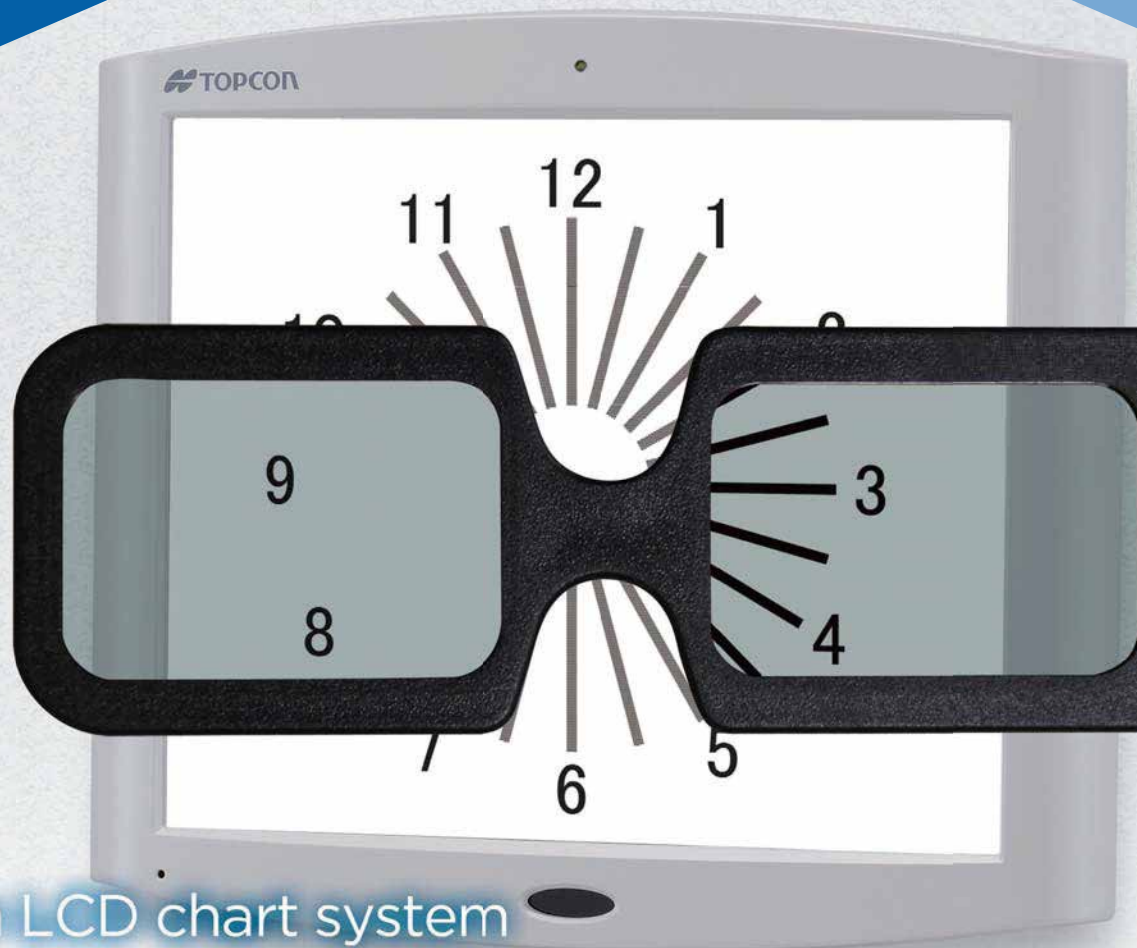


PC-50SB

Pixel Chart



Innovation in LCD chart system
by Circular Polarization

Pixel Chart **PC-50SB**

New LCD chart monitor with innovative
“CIRCULAR POLARIZATION” method



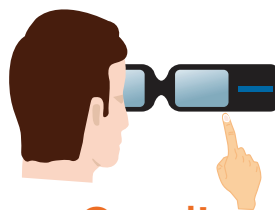
Features

- » Circular polarization
- » Open binocular vision test
- » 3D contents
- » variety of chart
- » variety of contents
- » maintenance free

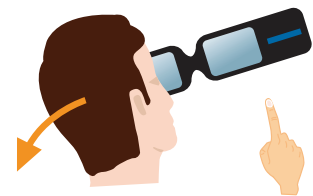
Open binocular vision test with Circular Polarization method

What is "Circular Polarization" ?

Circular polarization is latest visual method to realize 3D TV or 3D movies. By wearing the special circular polarization glasses, the polarization will not be effected even if the face is inclined. Therefore binocular balance test with polarization chart can be done without customer's making effort to keep their face straight.



Good!
(looking straight)



Good!
(looking with face inclining)

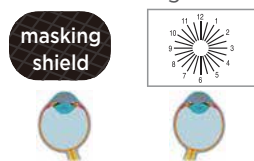
What is "open" binocular vision test?

When an eye is tested, you do not have to use occluder or fogging on the other eye, thanks to circular polarization filters. The customer sees the chart with one eye and it disappeared with the other eye. Open binocular refraction will reduce the unusual accommodation.

Conventional refraction

With one eye occluded, the other open eye is examined.

Left vision Right vision

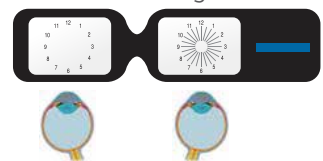


Vision in mind

New! open binocular refraction

Polarization disappears the chart to one eye, and the other eye is examined.

Left vision Right vision



Vision in mind

Interactive Application of Variety of Contents

Expanded Application of KB-50S for Your Daily Scene

Needless to say that the KB-50S functions as a remote controller for chart switching for visual acuity testing, it incorporates a new function for near view simulation.

» Daily Scene

Various contents of daily scene are ready for near view with KB-50S and far view with PC-50S. This combination is quite useful for checking the final prescription.



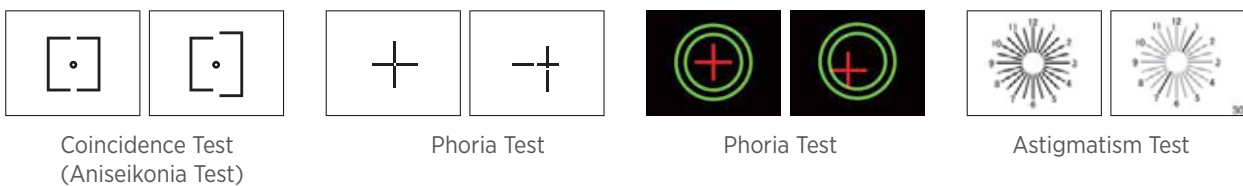
3D Contents

In light of the ever increasing use of 3D technology in today's world, we have incorporated high-tech 3D content into the new PC-50SB. 3D movies and images can be projected on the PC-50SB, which allows you to check vision in 3D and keep up with the latest technology.



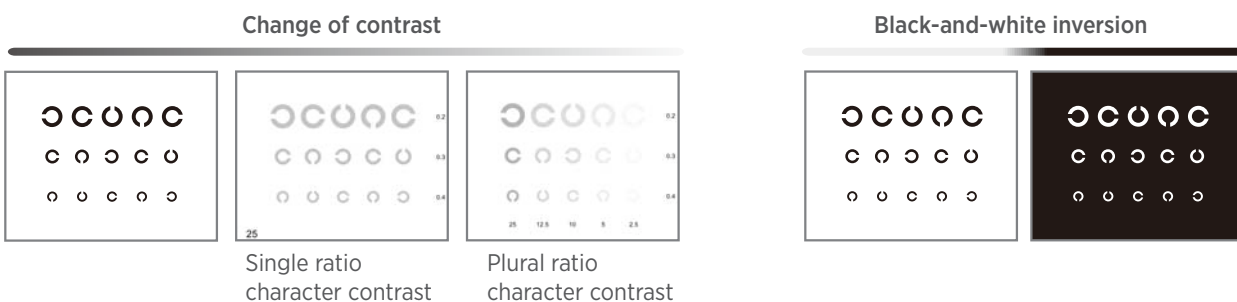
Active Chart

TOPCON's unique "Active Charts" helps testing correct visual function in practical condition.



Contrast Test

It helps to examine the contrast sensitivity with plural and singular frequency chart.



Specifications

Test distance	Standard 5m
Test Chart	<p>» Optometry Landolt ring, numerals, alphabets, tumbling E, pictures, screening</p> <p>» Visual function Red / green test, astigmatism, heterophoria, stereoscopic vision, coincidence (aniseikonia), binocular vision.</p>
Dimensions	460mm(W) x 65mm(D) x 392mm(H)
Power supply	AC100-120V / 220-240V 50-60Hz
Weight	7.5kg

System Chart

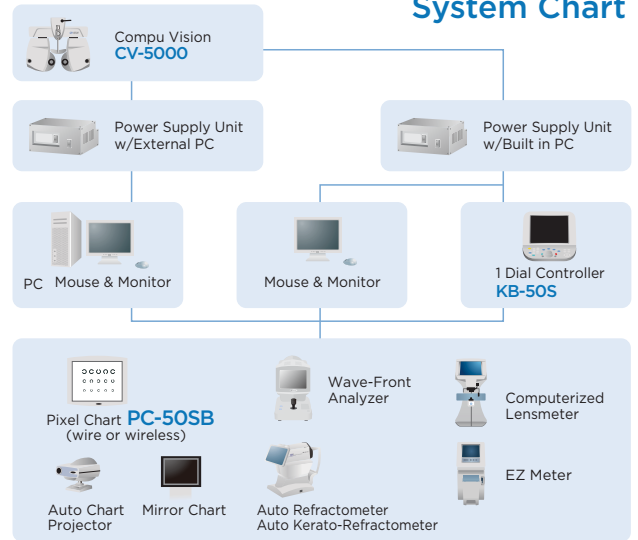


Chart Selection

A, B, F, H1 types of standard chart set are included.

» A type

K _{0.05}	DEC _{0.1} HON _{0.16}	TKPEB _{0.2} ARFSH _{0.3} CNDTZ _{0.4}	KOZFT _{0.5} PVHAD _{0.6} RZCNB _{0.7}	VSHEL _{0.8} APFCB _{0.9} RDZTG _{1.0}	HKNST _{1.2} OVEFG _{1.5} DACZR _{2.0}	Ш _{0.02}
E _{0.03}	Ш _{0.05}	ЭММ _{0.1} МЕУ _{0.2}	ЕМЭВЕ _{0.3} ШЭМЭМ _{0.4} ЕЭММЕ _{0.5}	ЭЭММШ _{0.6} ШЭМЭМ _{0.7} МЭЭММ _{0.8}	ЭМЕШЕ _{1.0} МШЭЕМ _{1.2} ШЕМЭЕ _{1.5}	458 _{0.1} 293 _{0.2}
54367 _{0.3} 68294 _{0.4} 32865 _{0.5}	28563 _{0.6} 93427 _{0.7} 56984 _{0.8}	94527 _{1.0} 68349 _{1.2} 59283 _{1.5}	0.1	0.2	0.4	0.7
1112 10 9 8 7 6 5	DKNVS KSRDZ QZKCH	NCZKO RKDHC QHSRN	PHOE RNCF		+	+

» F type

C _{0.05}	OOO _{0.1} OOO _{0.16}	OOOO _{0.2} OOOO _{0.3} OOOO _{0.4}	OOOOO _{0.5} OOOOO _{0.6} OOOOO _{0.7}	OOOOOO _{0.8} OOOOOO _{0.9} OOOOOO _{1.0}	OOOOOOO _{1.2} OOOOOOO _{1.5} OOOOOOO _{2.0}	Ш _{0.02}
E _{0.03}	Ш _{0.05}	ЭММ _{0.1} МЕУ _{0.2}	ЕМЭВЕ _{0.3} ШЭМЭМ _{0.4} ЕЭММЕ _{0.5}	ЭЭММШ _{0.6} ШЭМЭМ _{0.7} МЭЭММ _{0.8}	ЭМЕШЕ _{1.0} МШЭЕМ _{1.2} ШЕМЭЕ _{1.5}	458 _{0.1} 293 _{0.2}
54367 _{0.3} 68294 _{0.4} 32865 _{0.5}	28563 _{0.6} 93427 _{0.7} 56984 _{0.8}	94527 _{1.0} 68349 _{1.2} 59283 _{1.5}	0.2	0.3	0.4	0.7
1112 10 9 8 7 6 5	DKNVS KSRDZ QZKCH	NCZKO RKDHC QHSRN	PHOE RNCF		+	+

» B type

END ₂₀₀ SLH ₁₅₀ 45	HBDVA ₁₀₀ PHTCK ₈₀ 24	VLNEB ₂₀ DAOFP ₆₀ EGDNS ₁₅	FZBDT ₄₀ OFLCV ₃₀ APEOH ₁₉	TZVFC ₉₀ EHPNL ₇₅ HSFZN ₁₉	EVOTL ₂₀₀ TEGAK ₁₅₀ HSFZN ₈₀	М ₁₀₀₀ 600
Ш ₆₀₀ 180	E ₄₀₀ 120	Ш ₃₀₀ 90	ШЭМ ₇₀₀ МЭШ ₅₀₀	ШЭМШ ₇₀ ЭМЭШ ₇₀ МЭШМ ₇₀	ШЭМШ ₇₀ ЭМЭШ ₇₀ МЭШМ ₇₀	ШЭМШ ₇₀ ЭМЭШ ₇₀ МЭШМ ₇₀
852 ₂₀₀ 643 ₁₅₀ 45	29387 ₁₀₀ 75462 ₈₀ 38549 ₂₁	69832 ₆₀ 42576 ₁₅ 93754 ₁₂	38297 ₃₀ 53948 ₁₅ 82573 ₆	200 60	100 30	100 30
1112 10 9 8 7 6 5	DKNVS KSRDZ QZKCH	NCZKO RKDHC QHSRN	ZOKA SDRV	PHOE RNCF	+	+

» H1 type

E ₄₀₀	ENH ₂₀₀ SLC ₁₅₀	HBV ₁₀₀ PHT ₈₀	VLNEA ₇₀ DAOFC ₆₀ EGNDH ₅₀	FZBDE ₄₀ OFLCT ₃₀ APEOF ₂₅	TZVEC ₂₀ OHPNT ₁₅ EVOTS ₁₀	EVOTL ₂₀₀ TBGAB ₂₀₀ HNFZ ₂₀₀
APLBK ₂₅ 6382520 ZRHCT ₁₅	E ₁₀₀₀	М ₆₀₀	Ш ₄₀₀	E ₂₀₀	Ш ₁₅₀	ШЭШ ₁₀₀ МЭМ ₈₀
ШЭМШ ₇₀ ЭМЭШ ₆₀ МЭШМ ₅₀	ШЭМШ ₄₀ ЭМЭШ ₃₀ МЭШМ ₂₅	ШЭМШ ₂₀ ЭМЭШ ₁₅	587 ₂₀₀ 426 ₁₅₀	293 ₁₀₀ 856 ₈₀	3845270 9683760 4257650	9375840 3829430 5394625
82573 ₂₀ 4783615 5864910	100	80	40 20	30 20	10 3	10 3
1112 10 9 8 7 6 5	DKNVS KSRDZ QZKCH	NCZKO RKDHC QHSRN	BHAZN VLDDP		+	+

IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation. Not all products, services, or offers are available in all markets. Contact your local distributor for country-specific information and availability.

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