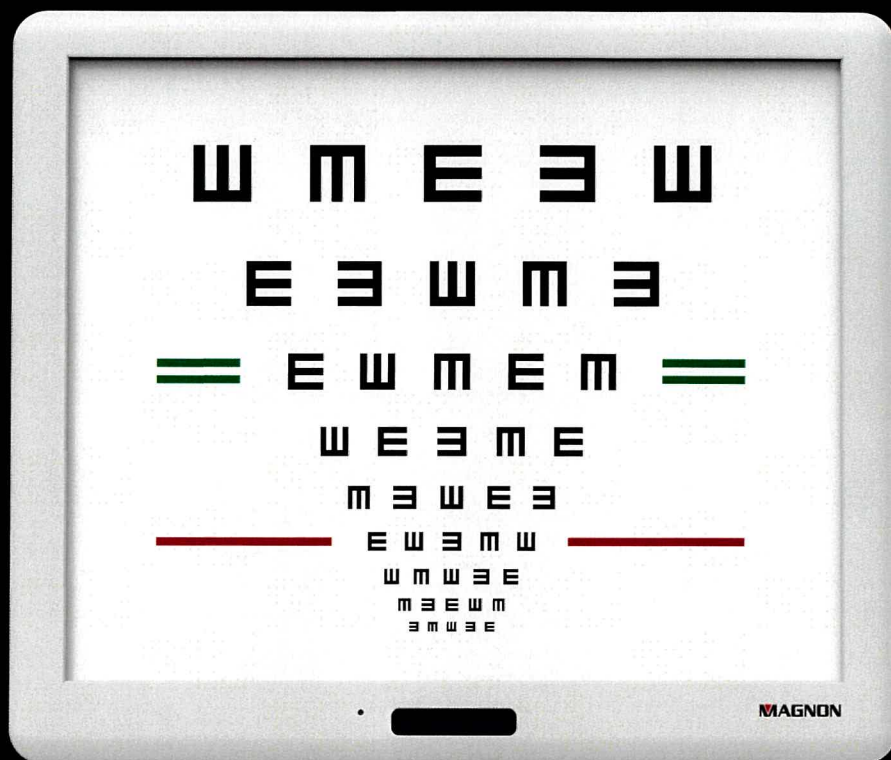
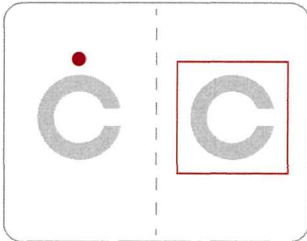


MAGNON

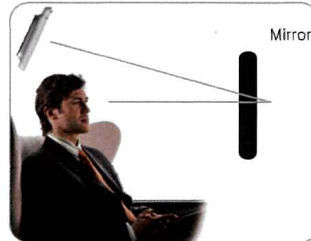


Pointing function



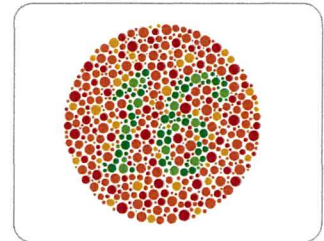
Opto type of 19-inch polarized chart can be selectable in circle type or rectangle type.

Mirror function



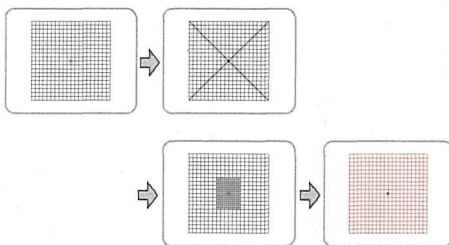
Magnon digital chart system can be set the distance (shorter than 1.5M) by using a mirror for a specific visual acuity checking environment and 'On' or 'Off' are available for setting.

Color Blindness test (For LC-190P)



Magnon digital chart system supports 10 kinds of color blindness chart.

Amsler Grid test (For LC-190P)



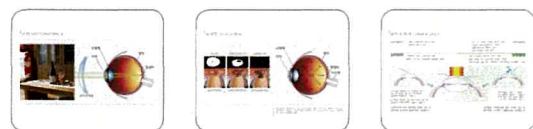
Magnon digital chart system can diagnose Macular Degeneration by using 4 kinds of Amsler Grid chart.

R/G 3D dimensional test (For LC-190P)



Magnon digital chart system supports Color weakness test by built-in screens.

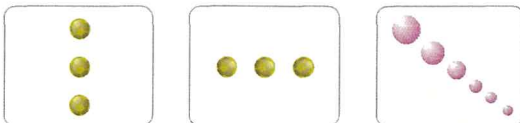
Symptom and Prescription screens



Magnon digital chart system supports various eye symptoms and its prescriptions by pushing remote button.

Eye Movement function (For LC-190P)

- ① vertically
- ② horizontally
- ③ left diagonal line

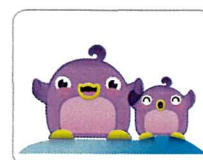


- ④ right diagonal line
- ⑤ center
- ⑥ randomly



6 kinds of eye movement test charts can be shown during Slide Mode. (3 steps of speed adjustable)

Animation function

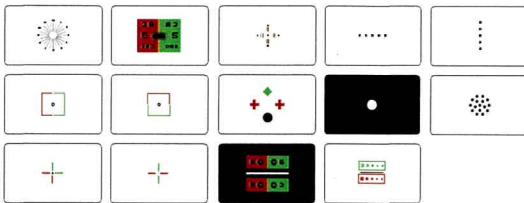


Animation screens for making a child concentrated during test.

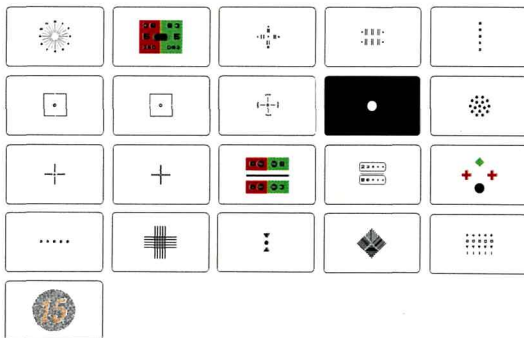
Special Charts & Various precise examination

Magnon digital chart system helps various and precise examination including Binocular Balance, Aniseikonia, Stereopsis, Binocular fusion, Suppression, Strabismus, Phoria, Color Blindness and Amsler grid test with more than 100 various charts.

LC-190 (Non Pola)



LC-190P (Pola)



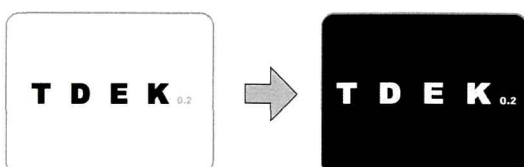
User friendly function for test distance adjustment.



Viewing distance can be adjusted, in accordance to the space of test room

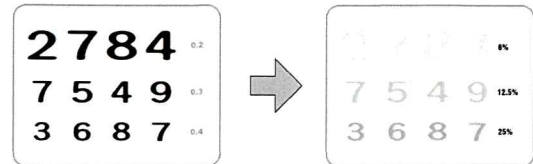
Viewing distance can be selectable by 0.05M step within 1.5M(Min) ~ 7M(Max)

Black / White Reverse



Black / White reverse function helps Cataract and Lasik patients recognize charts easily.

Contrast Sensitivity adjustment



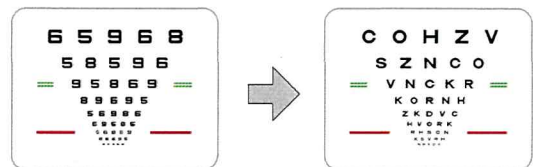
Magnon digital chart system helps examiner test with Cataract patients using contrast sensitivity adjustment(10 adjustable steps.)

R/G Filter adjustment function



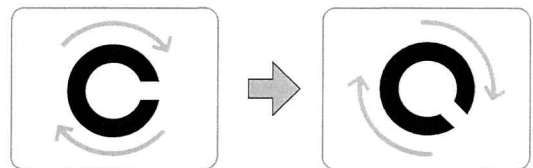
Magnon digital chart system provides 32 steps of R/G filter density that can be used in accordance with test circumstances. All of R/G color charts can be reversed.

ETDRS adjustment function



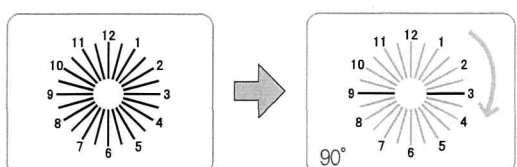
Position of opto-types of ETDRS-1 and ETDRS-2 can be changed by pushing a bottom on remote control.

RANDOM function

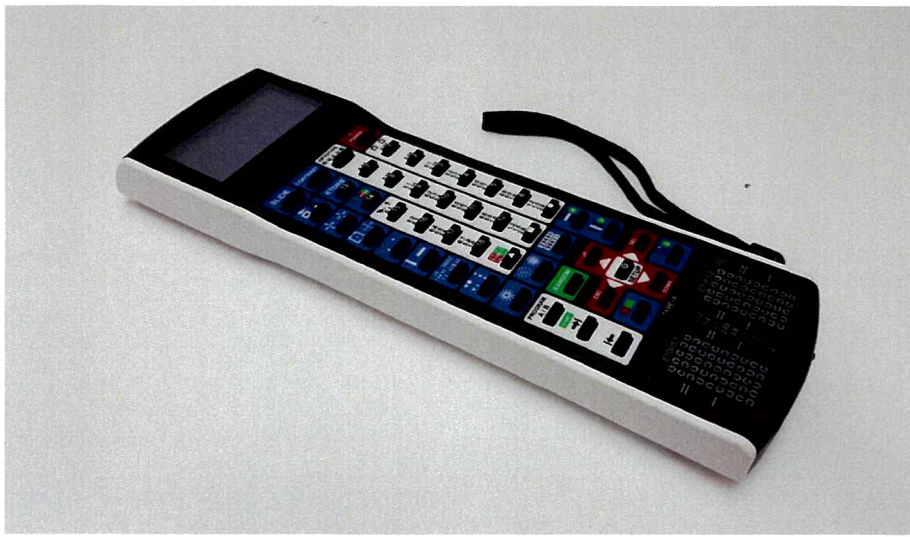


Magnon digital chart system provides various charts with different order opto-types with Number Alphabetic letters, Landolts, Snellen opto-types in order to protect the memorizing the order of opto-types by patients.

Astigmatic axis adjustment function.



Magnon digital chart system provides an angle of 90 degrees for Astigmatism test.



LC-190P Remote Control



LC-190 Remote Control






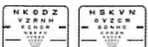
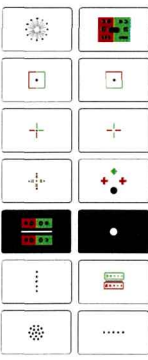
SPECIFICATION

LCD Type	19 Inch (SXGA) TFT LCD
Resolution	1280 X 1024 pixels
Chart Window Size	(H) 300 X (W) 375 mm
Brightness	80 ~ 250 cd / m (10 Level variable)
Chart	LC-190 Chart A, B, C LC-190P Chart A, B, C
View Distance	1.5m(4.9feet) ~ 7.2m(23.6feet) (0.05m/2 step adjustment)
Memory Card	MSATA(8GB)
Power Source	DC +12V 5A (Power Adaptor) Model : BPM060S12FXX
Power Consumption	Less than 60VA
Communication	* Wire: RS 232 Communication * Wireless: IR Communication
Dimension / Weight	431(W) X 355(H) X 66(D) mm / 6.8 Kg
Dimension / Weight (Remote Control)	LC-190 64(W) X 192(H) X 18(D) mm / 160 g LC-190P 69(W) X 234(H) X 25(D) mm / 200 g
Standard Accessories	Remote Control, Power Adaptor, Power Cable, Wall Mounting Bracket, User Manual.
Optional Accessories	Floor Stand, Red/Green Glasses, Desk-top Stand, Pola Glasses

* LC-190 : 19 inch Non Polarized Digital Chart / LC-190P : 19 inch Polarized Digital Chart

MAGNON

MAGNON

	Sample	Type A	Type B	Type C
Letter		0.05 to 2.0	400 to 10	120 to 3
Number		0.05 to 2.0	400 to 10	120 to 3
Snellen E		0.05 to 2.0	400 to 10	120 to 3
Children 1		0.1 to 1.0	200 to 20	60 to 6
Children 2		0.1 to 1.0	200 to 20	60 to 6
ETDRS		0.32 to 2.0	63 to 10	19 to 3
Others		Astigmatism clock dial Red-green Vertical coincidence Horizontal coincidence Phoria with fixation point Phoria Minute Stereo Fixation point Duochrome balance Binocular balance Horizontal Phoria Vertical Phoria Dots Worth four dot	Astigmatism clock dial Red-green Vertical coincidence Horizontal coincidence Phoria with fixation point Phoria Minute Stereo Fixation point Duochrome balance Binocular balance Horizontal Phoria Vertical Phoria Dots Worth four dot	Astigmatism clock dial Red-green Vertical coincidence Horizontal coincidence Phoria with fixation point Phoria Minute Stereo Fixation point Duochrome balance Binocular balance Horizontal Phoria Vertical Phoria Dots Worth four dot

MAGNON P

	Sample	Type A	Type B	Type C
Letter		0.05 to 2.0	400 to 10	120 to 3
Number		0.05 to 2.0	400 to 10	120 to 3
Snallen E		0.05 to 2.0	400 to 10	120 to 3
Landolt C		0.05 to 2.0	400 to 10	120 to 3
Children		0.1 to 1.0	200 to 20	60 to 6
ETDRS		0.32 to 2.0	63 to 10	19 to 3
Others		Astigmatism clock dial Red-green Vertical coincidence Horizontal coincidence Phoria with fixation point Phoria Minute Stereo Three-Rod Depth Perception Cyclophoria Fixation point Duochrome balance Binocular balance Horizontal Phoria Vertical Phoria Dots Cross grid Worth four dot Stereo triangle Stereo four lines Astigmatism diamond	Astigmatism clock dial Red-green Vertical coincidence Horizontal coincidence Phoria with fixation point Phoria Minute Stereo Three-Rod Depth Perception Cyclophoria Fixation point Duochrome balance Binocular balance Horizontal Phoria Vertical Phoria Dots Cross grid Worth four dot Stereo triangle Stereo four lines Astigmatism diamond	Astigmatism clock dial Red-green Vertical coincidence Horizontal coincidence Phoria with fixation point Phoria Minute Stereo Three-Rod Depth Perception Cyclophoria Fixation point Duochrome balance Binocular balance Horizontal Phoria Vertical Phoria Dots Cross grid Worth four dot Stereo triangle Stereo four lines Astigmatism diamond