MARCO

CP-770 AUTOMATIC CHART PROJECTOR

EASY DOES IT

Marco's new **CP-770 AUTOMATIC CHART PROJECTOR** combines all of the sophistication and efficiency of our previous model 690, but in a more compact, modernized design.

In addition to being smaller, lighter, and cosmetically more appealing, the CP-770 also incorporates a new maintenance-free LED illumination system that produces a brighter, more consistent high-resolution acuity image.

By providing the option of programming up to 33 total charts in any order, the CP-770 allows the operator to conduct an examination by simply pressing one button on the remote control to advance to the next chart. While allowing you to pre-program a sequence of charts in advance, the CP-770's random access capability provides the option of randomly selecting any chart while you proceed with the programmed refraction.

Sophisticated masking features allow the user to isolate and maneuver individual horizontal or vertical lines, as well as individual letters, numbers and characters. You also have a choice of special polarized tests as well as a Red/Green chart and a separate Red/Green filter.

The standard selection of 33 charts not only includes a wide variety of Snellen, illiterate E's, numbers, and pediatric charts, but the 770 also includes eleven specialty charts and two ETDRS LogMar charts. To help eliminate patient memorization, ten individual 20/20 lines are available on the CP-770, as well as additional 20/15 and 20/10 lines for the more discriminating refractive surgery patients.

Since the CP-770 is fully automated with an infrared remote control, the projector can conveniently be mounted out of the way on a wall mount, or on a secure shelf or table. The sensitivity of the infrared system allows you to aim the remote control practically anywhere in the exam room to activate a chart selection. Also standard with the 770 is a special projector screen which maintains the polarization effect.
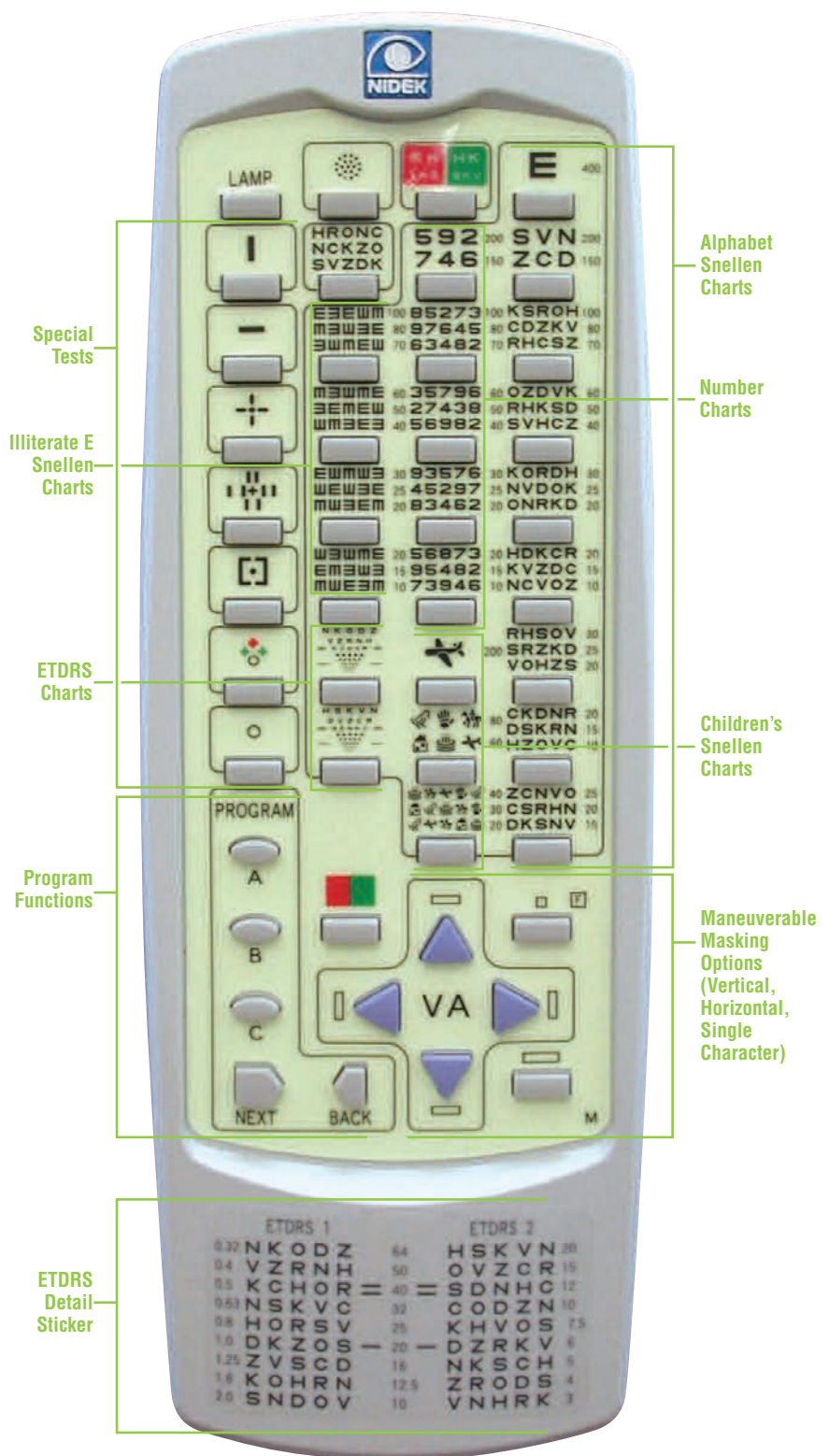
OTHER TECHNOLOGICALLY ADVANCED FEATURES OF THE CP-770 :

• A proprietary internal brightness control rheostat allows you to adjust the brightness intensity of the projected image.

• Advanced internal circuitry automatically compensates for any fluctuation in supply voltages or changes in refraction distance.

• A new optics design for the condensing lens system produces a 30% increase in the overall projected image quality.

• A new LED illumination system eliminates the need for halogen bulbs, making it completely maintenance-free.

• The high-intensity white LED produces a bright, high-resolution projected image, and also eliminates "ghost" images or other shadows commonly produced by bulb systems.

CP-770 REMOTE CONTROL SELECTIONS

- 11 Special testing charts include muscle balance test, minute stereo test to quantify distance depth perception; coincidence test; worth four-dot test; fixation spot test; Snellen letters with red / green filter; cross-cylinder test; vertical letters, horizontal letters and binocular refractive balance test. Two ETDRS "LogMar" charts are also included, providing the operator with this clinically advanced standard of assessing visual acuity.

- 9 Snellen charts (five individual 20/20 lines).

- 5 Numbers charts (two individual 20/20 lines).

- 4 Illiterate E charts (two individual 20/20 lines).

- 3 Children's charts (one 20/20 line).

- Masking buttons allow you to isolate individual lines both horizontally and vertically, as well as to isolate individual letters, numbers, and characters.

- Red/Green filter can be used over any appropriate chart.

- The program buttons are used for both programming the CP-770 and for using it in a programmed sequence. The individual program functions allow the operator to set-up three separate programs for different users, or for different refracting needs.

- Two buttons allow you to move up or down the Snellen chart range a line at a time in a horizontal, or vertical mask.
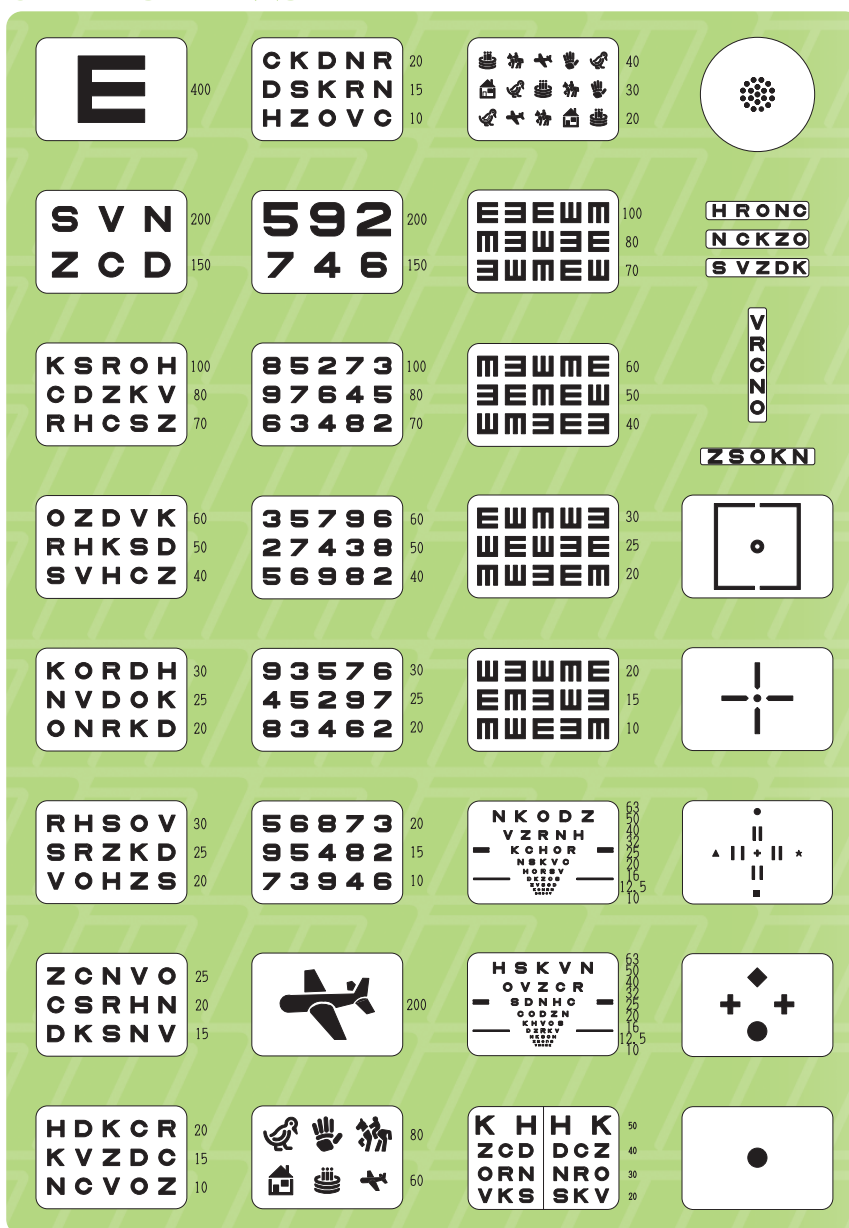
Special Tests

Illiterate E Snellen Charts

ETDRS Charts

Program Functions

ETDRS Detail Sticker

Alphabet Snellen Charts

Number Charts

Children's Snellen Charts

Maneuverable Masking Options (Vertical, Horizontal, Single Character)

CP-770 SPECIFICATIONS

Chart	33 pcs.
Projection Distance	9.5 to 20 ft. (16.4 ft. is standard)
Projection Magnification	30X (at 16.4 ft.)
Projection Size	12.9 x 8.84 in. and 10.83 in. diameter
Illumination Source	3W, white LED, 6000k color temperature wave length: 373-801NM
Power Source	AC 100 to 240 VAC +/– 10% 50/60Hz
Power Consumption	70VA
Dimensions	*Main body* 7.56 (H) x 6.97 (W) x 10.94 (D) in. *Control unit* 0.70 (H) x 2.51 (W) x 7.8 (D) in.
Screen Size	19.75 x 15.75 in.
Weight	*Main body* 7.72 lbs. *Control unit* .27 lbs.
Finish	White grey *Control unit* White grey
Chart Selection Devices	*Main body* Remote control or control panel from TRS Refraction System (when integrated)
Accessories	Remote control, Polarizing glasses, wood screws (x4), power cord, batteries for remote (x2), chart sheet, screen, connector cap
Optional Accessories	Wall mount bracket, desk mount, unit mount.

Play it safe.

Protect your warranty. Buy your Marco product only from an authorized Marco distributor. Go to www.marco.com for the name of the distributor nearest you.

CHART SAMPLES

The CP-770 is manufactured by Nidek.

Marco-Certified Quality assures you of the very finest vision products, offering advanced technology, industry-leading durability and enhanced productivity for your practice. Marco-Certified Quality is your mark of confidence.

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