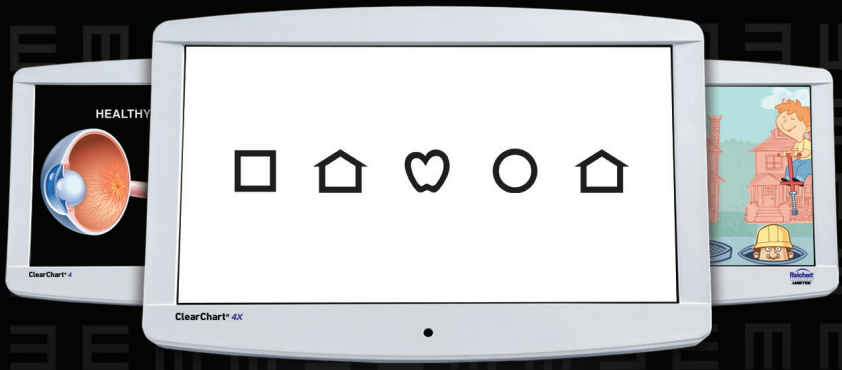
Pixel-perfect acuity testing.

Intuitive, connected, and purpose-built.



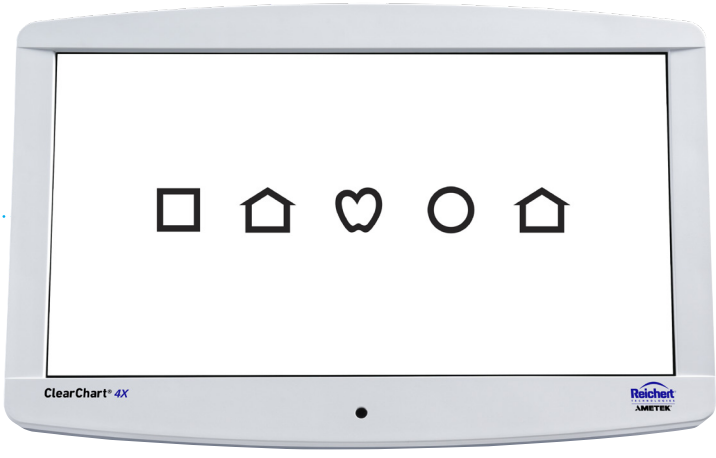
ClearChart® 4

Family of Digital Acuity Systems

ClearChart 4 • ClearChart 4X • ClearChart 4P

Reichert® TECHNOLOGIES
AMETEK®

reichert.com/clearchart



ClearChart® 4 Family of Digital Acuity Systems

Pixel-perfect acuity testing and purpose-built.

The all-new family of **ClearChart® Digital Acuity Systems** from Reichert® are all-in-one, elegant, and simple-to-use. They are uniquely designed to meet all of your acuity testing needs with a wide selection of optotypes and other special test charts. The **ClearChart 4** Digital Acuity System, **ClearChart 4X Enhanced Digital Acuity System**, and **ClearChart 4P** Polarized Digital Acuity System all feature a 24-inch, high-resolution, LED-backlit display, and are lightweight, cool-running, and long-lasting. ClearChart seamlessly connects to Reichert digital Phoroptors for the best possible refraction experience for both you and your patient.

Built for Acuity Testing

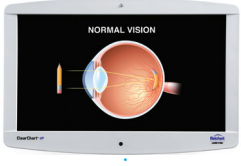
ClearChart® Digital Acuity Systems are all-in-one, custom-built and engineered for all of your acuity testing needs. Utilizing an intuitive and stable operating system designed by Reichert, ClearChart ensures consistent and reliable performance over other computer-based acuity systems.

No Moving Fans or Spinning Hard Drives

Requiring no separate components or software, ClearChart Digital Acuity Systems are free of moving parts, noisy fans, and spinning hard drives providing cool-running, silent, and dependable operation.

High-Resolution, LED-Backlit

All ClearChart models feature a 24-inch, high-resolution (1920x1080), LED-backlit display with three different illumination levels for mesopic (3 cd/m2) and photopic (85 cd/m2) lighting conditions.



Wide Range of Optotypes

ClearChart has an extensive range of optotypes that can be randomized to prevent patient memorization. Optotypes can also be isolated, increased, or decreased in size, and can be displayed in either Snellen or Logmar progression.

Optotypes include: 17 Letter Set, 8 Letter Set, Sloan, HOTV, Landolt C, Landolt C & O, Tumbling E, Children's Optotypes.

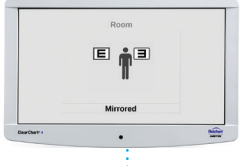
Specialty test charts include Astigmatic Tests, Fusion and Phoria Tests, and Binocular Balance.

NEW!

ClearChart 4X and ClearChart 4P now include LEA SYMBOLS® and LEA NUMBERS® along with ETDRS and Contrast Sensitivity.

Intuitive Remote Control

An easy-to-use, infrared remote control allows access to all features and functions from almost anywhere in the room.



Direct or Mirrored Configuration

ClearChart Digital Acuity Systems can be configured for standard or mirrored viewing to accommodate refracting distances from 6 ft to 31 ft (1.83 m to 7.5 m).

Easily Import Images and Videos

ClearChart 4X and ClearChart 4P users have the ability to add images and videos to customize their acuity system by simply importing files from a USB drive.

Patient Education slides come standard with the ClearChart 4X and ClearChart 4P.

Stereo Testing

The ClearChart 4P features a linear polarized screen that has polarization angles of 45° and 135° using an articulating mount to provide proper viewing. Additional polarized charts are available in ClearChart 4P Polarized Digital Acuity System.

Specifications:

Size and Weight

Weight, Unpacked	5.9 kg (13.10 lbs)
Height	39.62 cm (15.60 in.)
Width	58.92 cm (23.20 in.)
Depth	7.62 cm (3.00 in.)

Electrical

Voltage	100 - 240 volts AC 50/60 Hz
Input Power	50-75 VA
Fuses	(2.5 A, 250 V), 5 x 20 mm
Remote Control	2 AAA batteries (included)

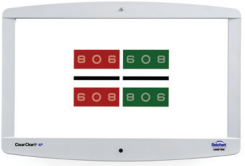
Communication

USB Ports	2
Serial Port	RS232

Display

ClearChart 4/ClearChart 4X	60 cm, (24 in.) color LCD
ClearChart 4P	60 cm, (24 in.) polarized, color LCD with passive 3D capability

Reichert, Reichert Technologies, ClearChart and Phoroptor are registered trademarks of Reichert, Inc. AMETEK is a registered trademark of AMETEK, Inc. LEA SYMBOLS and LEA NUMBERS are registered trademarks of LEA Test, Intl, LLC.• Reichert, Inc. 3362 Walden Ave., Suite 100, Depew, NY 14043 USA



Comparison Chart

	ClearChart 4	ClearChart 4X	ClearChart 4P
Purpose-built for acuity testing	•	•	•
Wide range of optotypes and test charts	•	•	•
24 inch high resolution LED backlit display	•	•	•
Cool-running, free of moving fans, and hard drives	•	•	•
Pediatric fixation cartoon video	•	•	•
Connects to Reichert® digital Phoroptors	•	•	•
Astigmatic test charts	•	•	•
LEA SYMBOLS® and LEA NUMBERS®		•	•
ETDRS testing		•	•
Contrast sensitivity		•	•
Patient education slides		•	•
Import your own videos and images		•	•
Stereo testing			•
Color vision testing			•

ClearChart® 4, 4X and 4P Catalog Numbers

13795 ClearChart 4
13775 ClearChart 4X

13785AG ClearChart 4P Logmar/Decimal
13785DL ClearChart 4P Linear/Decimal
13785SE ClearChart 4P Snellen/Standard

ClearChart® 4

Family of Digital Acuity Systems

reichert.com/clearchart

| reichert.com

Call Reichert at +1 716-686-4500, toll-free 1-888-849-8955,
or contact your Authorized Reichert Technologies Distributor.
©2019 AMETEK, Inc. & Reichert, Inc. 13775-110-Rev C