The Acuty XL is a high-tech vision tester, with unique features

6/6 VISION ON TECHNOLOGY
Jaggi

ACUTY
Vision Tester

ACUTY
Vision Tester

O X Q S
T V H A
U A X H U

6/60 - 20/200 - 0.10
6/45 - 20/125 - 0.20
6/36 - 20/100 - 0.16

N S K
K S V Z
S N H O
H O V S N
V C S Z H
C Z D R V
S H R Z C

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CE

- **Stand alone design**
- **High technology inside**
- **High Resolution Sharp LED 19"**
- **Continuous Upgrades available**
- **Space saving**
- **Fits into every modern practice.**
- **Fan less Anti-Noise System**
- **Wall mounting and portable**
- **Random chart presentation**
- **Low vision testing**
- **Children Animation fixation video**
- **Speed buttons for direct 6/6, 6/12 line access**
- **Astigmatic fan testing @ 10° intervals**

Acuty is a LED based Visual Acuity Testing Chart , designed to cater to the needs of the modern Eye Care Practitioner. The Acuty is available in two models presently,

Acuty XL – 16" Fully functional LED vision Tester

Acuty Neo - 19" Advanced LED vision Tester.

Both the models are wall mountable and require minimal office space. They are stand alone devices with and in-built processor and display system, just plug the unit in the mains and its ready to go !

In all 8 various optotype formats can be presented in the 6/6 ,20/20 and decimal acuity formats. In addition Logmar acuity is can also be recorded.

While the Acuty Neo is programmable for a direct presentation distance between 2.5 m and 4.5m, the Acuty XL is a fixed distance presenter with either a 2.5m or a 3.0 m direct presentation option.

Isolation of charts in groups, single line or in Single letters is possible in both models. In addition, the Acuty Neo is capable of randomization of the charts in all eight languages.

In addition to this, both the Acuty – digital vision testers have a very unique feature – to be able to present Pictures through a USB pen drive. Thus , your visual chart presentation device doubles up as a presentation screen as well.

Binocular vision tests like the Maddox rod can be performed on both the Acuty models, however the advanced binocular vision tests like Dissociated binocular vision test Schober tests and the gross stereo acuity tests can be performed only on the Acuty Neo.

Pediatric vision testing forms a very crucial aspect of any Ophthalmic examination, both the Acuty screens are equipped with Allen Pre-School acuity charts for quick and easy assessment of vision in children. For accurate amblyopic vision assessment, both the Acuty comes with Single Letter isolation. The Acuty Neo has a special video clip especially for children, to assist in a maintained fixation.

Fully functional remote control is available in both the Acuty. The range of operation is close to 4.5 m and it uses regular AA batteries for an enhanced life. The remote control is conveniently sized for easy operation.

Types of Pictures

1. Group presentation of Optotypes

8 Different languages are possible on both types of Acuty.

2. Single Line Presentation of Optotypes

It is possible to present Single lines for all 8 languages (only first 4 in Acuty XL) from the 6/36 line till the 6/3 line.

3. Vertical Line presentation of Optotypes

It is possible to isolate vertically the line for all 8 languages (first 4 languages only in Acuty XL) from 6/24 line to 6/6 line.

4. Single Letter presentation of Optotypes.

It is possible to isolate single letters for all 8 Languages (first 4 languages only in Acuty XL) from 6/18 line to 6/6 line.

5. Low Vision Testing

It is possible to Reverse test for Low Vision patients or patients with Macular Degeneration. It is possible to test from 1/60 acuity down to 6/18 in all 8 languages on the Acuty Neo. This function is not possible on Acuty XL.

6. Contrast Sensitivty Testing

It is possible to check for the contrast sensitivity for all 8 languages in the Acuty Neo. The Contrast sensitivity can be checked from 6/24 line to 6/6 line. The Acuty XL has the check for only one language ie. English from 70 % to 6.25%.

7. Binocular Vision Assessment

It is possible to test for the gross Stereo vision (using Red Green Glasses). While the worth 4 dot and the Maddox tests are possible in both the Acuty models, the Gross 3 D test is exclusive only to the Acuty Neo.

8. Astigmatic Verification Axis

It is possible to verify the axis of astigmatism in every 10° step in the Acuty Neo. Only the regular chart is presented in the Acuty XL.
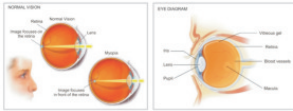
9. Fixation video

In the Acuty Neo it is possible to have a short video clip for the children, In the Acuty XL it is not possible

10. Color vision Testing

24 slides of color vision testing is possible on the both the Acuty.

11. Education Slides

Both Acuty have the possibility to present the Education slides for various eye Disorders.

Technical Specifications of the Acuty Digital Vision Tester

	Acuty Neo	Acuty XL
Screen Size	19" High resolution LED monitor	17" High Resolution LED monitor
Distance program	2.5 m, 3.0 m, 3.5 m & 4.0 m	2.5m or 3.0 m
Projection	Direct, No Mirror Required	Direct, No Mirror Required
Language Presentation	8 (Snellen, Landolt C, E, Numbers, LogMar, Allen Pre-school, Regional Hindi, HOTV)	8 (Snellen, Landolt C, E, Numbers, LogMar, Allen Pre-school, Regional Hindi, HOTV)
Isolation of Letters (horizontal, Vertical and Single)	Possible for all 8 Languages above	Possible for all 8 languages above
Random chart Presentation	Possible	Not Possible
Color Vision	24 plate Ishihara type charts	24 plate Ishihara type charts
Contrast Sensitivity	Possible from 6/24 to 6/6 in all 8 languages, gradings from 70% to 6.25%	Possible from 6/24 to 6/6 in all 8 languages , gradings from 70% to 6.25%
Low Vision Testing	Reverse Presentation, for all 8 languages	Reverse Presentation, for all 8 languages
Astigmatic Fan	10° testing of axis possible	10° testing of axis possible
Stereo Acuity testing	Possible	Possible
Education videos	Cataract & IOLs, LASIK, Anatomy, Optometry, Contact Lenses, Pathology, child Fixation	Only animation slides possible
Amsler Grid	Possible	Possible
Binocular Vision Tests	Maddox, Schober, Binocular Balance and Worth 4 Dot	Maddox, Schober, Binocular Balance and Worth 4 Dot
Duochrome Tests	Super imposition Possible on all charts	Super imposition Possible on all charts
Fixation Disparity Test	Possible	Possible
Remote distance	Upto 6m working	Upto 6m working