

Catalogue

VISIONIX

The Vision of the Future



Instruments for refraction
and diagnosis

Marc Abitbol PhD President and CEO

« The Visionix hi-tech optometric material represents more than 30 patents in the ophthalmic optics sector. Essentially, we specialise in the diagnosis of the anterior segment of the eye (everything which is related to refraction); we have become specialists in analysing light rays passing through lens, eyes, etc.

Our dynamism and experience, combined with our very extensive range, will provide the basis of our development.

Synergies will be created to satisfy your product and service requirements more effectively, with one durable objective: your satisfaction. »

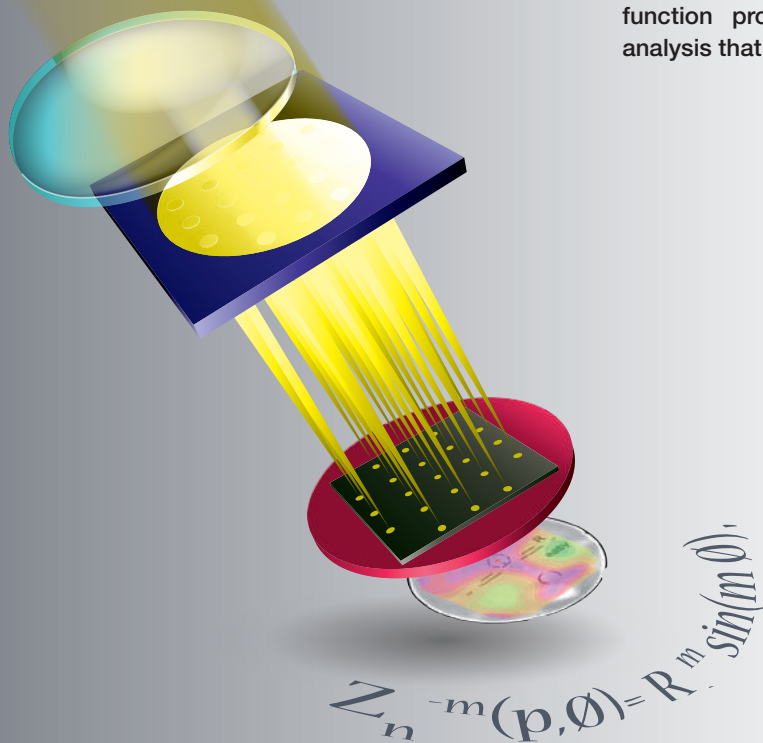
Our mission is to provide all professionals with access to technology. What makes Visionix proposition so unique is the Wavefront technology.

The Wavefront technology allows for an optical system (lens-eye) to measure over a multitude of points (the Wavefront), while classical technology is only able to measure one point or just a few.

By miniaturising this measurement technique, Visionix has enabled its integration into a large number of facilities throughout its range. Furthermore, as a result of controlling costs, this Wavefront technology is accessible to all professionals who now have an exceptionally accurate measuring technique available to them thanks to its specialised functions.

VX120 The newest diagnostic tool: First combined all-in-one device (Refraction - Keratometry - Aberrometry - Topography - Pupillometry - Tonometry - Anterior chamber analysis) with fully automated measurement.

The VX40 has both a lensmeter and a lens mapping function providing a PowerMap frame and lens analysis that saves time in prescreening.



Find your distributor

www.visionix.com

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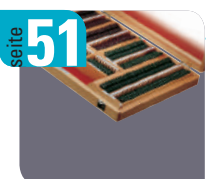
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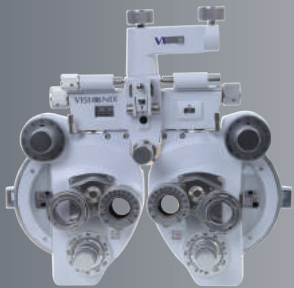
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VXBOX AND CONNECTIONS page 50

For easier day to day consultation and general practice, the VX120 is all inclusive and offers fully automatic diagnosis.



VISIONIX

The vision of the future

Discover a new vision in consultation with the VX120, the solution for all your practice needs.

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A company of Luneau Technology



www.visionix-vx120.com

VISIONIX
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Range

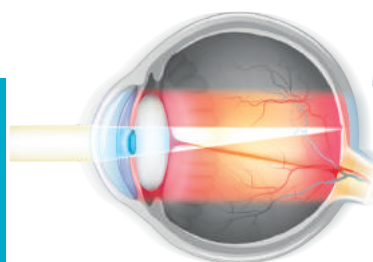
Diagnostic & ARK

- | | |
|----|---------|
| 8 | VX120 |
| 9 | VX118 |
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One-Touch High-end Refraction, Vision Analysis, and Diagnosis of the Anterior Chamber

VX100 REF. 3020-0000-01
VX110 REF. 3020-0000-11
VX118 REF. 3020-0000-10

VX220 REF. 3020-0000-20
VX120 REF. 3020-0000-00

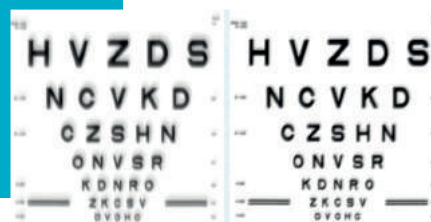


Refraction and visual performance

- Extremely precise refraction (cylinder and axis)
- Refraction on small pupils 1.2 / 1.4 mm.
- 1200 points of analysis for a pupil of 7 mm
- Measurement of daytime vision and nighttime vision
- Analysis of low-order and high-order optical aberrations

TECHNOLOGY :

Analysis of the wavefront with the Shack-Hartmann sensor.

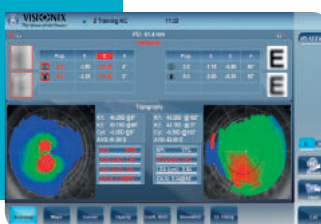
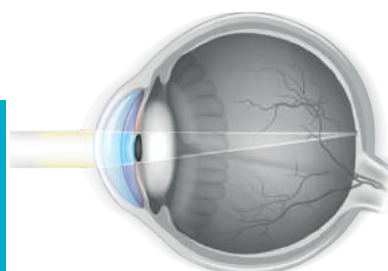


Cornea analysis

- Contact lenses and fitting
- Screening keratoconus and corneal pathologies
- Pachymetry: measuring the thickness of the cornea

TECHNOLOGY :

Analysis of the wavefront using the Shack-Hartmann sensor, Placido disk, Scheimpflug camera.

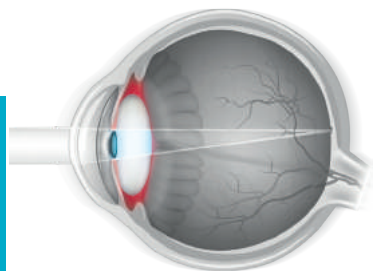


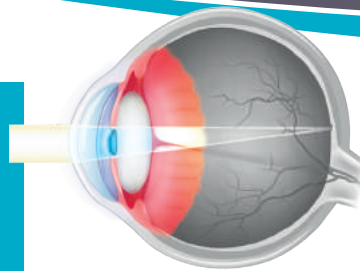
Cataract

- Screening for loss of contrast and penetration of light
- Effect of the opacity on the quality of vision

TECHNOLOGY :

Retro illumination, Scheimpflug camera, Shack-Hartmann matrix.





Glaucoma

- Measurement of IOP (intra ocular pressure measured in mm/Hg)
- Our measurement takes into account the thickness of the cornea to provide a corrected IOPc index (too thin a cornea will sub-evaluate the IOP and vice versa)
- Display iridocorneal angles and the height of the anterior chamber

TECHNOLOGY :

Scheimpflug camera and non contact tonometer with soft air puff.



Fully automated

- Fully automatic 3D and R/L eye alignments
- 7 types of automatic simultaneous measurements
- Operator independent measurements
- High reproducibility of measurements

Automatic alignment and measurement which allows

- High reliability for measurements
- Significant time savings
- Optimal comfort based on ergonomic design

Technical data

General	
Dimensions	W 320 mm x D 555 mm x H 540 mm W 12.59 in. x D 21.8 in x H 21.25
Weight	27 kg / 59.5 lbs.
Working distance	91 mm
Alignment	XYZ automatic
Display	10,1" (1 024 x 600) TFT screen Multi-touch screen
Observation area	ø 14 mm
Printer	Integrated black and white - external color available
Voltage	100/120, 220/240 V CA, 50/60 Hz, 300 W
Medical directive	CE MDD 93/42/CE modified by directive 2007/47/CE
Output	RS232 / USB / VGA / LAN
Retro illumination	

Product's video

<http://www.visionix-vx120.com>



See connections on page 50

AR & power mapping (Wavefront)

Spherical power range	-20D to +20D
Cylinder power range	0D to + 8D
Axis	0 to 180°
Measuring area	Min. ø 2 mm - Max. 7 mm (3 areas)
Number of measuring points	1,500 points
Acquisition time.	0.2 sec
Method	Shack-Hartmann

Pachymetry, IC angle and pupillometry

Method	Scheimpflug
Pachymetry range	150-1300 µm
Pachymetry resolution	+/- 10 microns
IC angle range	0°-60°
IC resolution	0.1°
Pupil illumination	Blue light 455 nm

Corneal topography

Number of rings	24
Number of measuring points	6,144
Number of points analyzed	More than 100,000
Diameter of covered corneal area at 43D	From 0.33 mm to more than 10 mm
Diopters measured field	From 1 to 100
Repeatability	0.03 mm
Method	Placido rings

Tonometer

Measurement range	7 mmHg to 44 mmHg
-------------------	-------------------

Table of features / versions available

100 Diagnostic	ARK		TOPO		
110 Diagnostic	ARK	WF	TOPO		
118 Diagnostic	ARK	WF	TOPO	ACA	
220 PIC Analyzer			TOPO	ACA*	TONO
120 Diagnostic	ARK	WF	TOPO	ACA*	TONO

* ACHA : Analyse Chambre Antérieure

L67 ARK

Multi point analysis

REF. 7650035

Thanks to the Shack-Hartmann sensor the Wavefront analysis occurs on a lot of points increasing the precision. The graphical display of refraction errors enhances understanding and reliability, allowing better diagnostics.

FEATURES AND BENEFITS

Measurement screen

- Quick & easy measurement with an ergonomic & intuitive screen
- Peripheral keratometry measurement data useful for contact lens fitting

Graphical display of refraction map

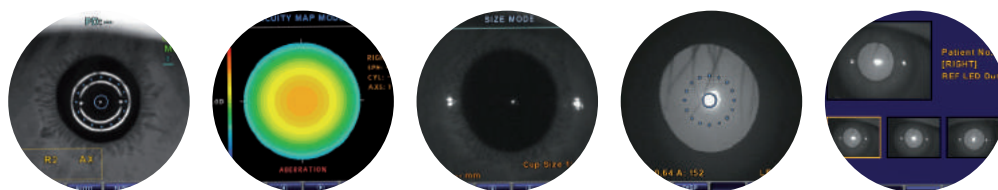
The graphical display of refraction errors enhances patient's understanding and reliability.

Pupil & iris size measurements

The L67 can measure pupil, cornea, and iris size under 14mm diameter by freezing the image.

Retro-illumination

Abnormal crystallin lenses, cataracts, and corneas scratches can all be seen; helping to determine the health of the patients' eyes. In addition to normal mode, with increased REF power, Sph, Cyl & Axis can also be checked.



Technical specifications

General	
Dimensions	W 252 mm x H 432mm x D 500 mm W -9.92 in H -17 in D - 19.7 in
Weight	20Kgs (44.09 lbs)
Internal Printer	Thermal Line Printer
Power Saving	Automatic switch off(5min)
Display	6.5" Colour TFT LCD
Power Supply	AC100-240V, 50/60Hz(Free Voltage) 60W
Memory of Data	10 measurements for each eye
Standards	MDD, CE

Measurement modes	
K/R	Continuous keratometry & refractometry mode
REF	Refractometry mode
KER	Keratometry mode
CLBC	Contact lens base curve measurement mode

Refraction	
Vertex Distance (VD)	0.0, 12.0, 13.5, 15.0
Sphere(SPH)	-25.00~+22.00 (Increments:0.12 and 0.25D)
Cylinder(CYL)	0.00~10.00D (Increments:0.12 and 0.25D)
Axis 1	~ 180° (step 1°)
Cylinder Form	-, +, ±
Pupil Distance	10~85 mm
Minimum Pupil Diameter	ø2.0 mm

Keratometry	
Corneal Power	33.00~67.50D
Radius of Curvature	5~10.2mm (Increments : 0.01 mm)
Corneal Astigmatism	0.00~15.00D
Axis 1	~180° (Increments 1°)
Pupil, Iris Diameter	2.0~14.0 mm (Increments : 0.1 mm)

VISIONIX
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Range

Phoropters

VISIONIX

14 VX60

15 VX55

16 VX50

Automatic phoropter with ergonomic keyboard

REF. 8260-0001-00

For a faster and more reliable refraction process, choose the VX60. Benefiting from Visionix know-how, the VX60 lets you control refraction from start to finish.

FEATURES AND BENEFITS

Simplified refraction thanks to a unique console design

- An ergonomic keyboard with a set of essential buttons that can be accessed with just one hand (right or left)
- A large touch screen
- A central selector wheel using the "Light Sphere Color" technology, direct, calculation-free view of the spherical equivalent tendency thanks to colored diodes.

Simplified refraction thanks to complete software

- "Easy Custom" system for easier programming of exam protocols.
- The software adapts to needs throughout the different steps of the eye exam.

Simplified refraction thanks to the latest technologies

- Bluetooth wireless technology for ease of installation (no communication cable) and use (freedom of movement).
- Switch to near vision: Respect for convergence and integrated lighting



Technical specifications

Head specifications

Dimensions	W 360 mm (14,17 inches) x H 280 mm (11.02 inches) x D 80 mm (31,50 inches)
Weight	3.8 kg
Standard accessories	Near vision chart, near vision arm, forehead rest, mask, power cord.
Power source / Consumption	DC 24V 60W

Control panel specifications

Dimensions	W 240 mm (9,45 inches) x H 235 mm (9,25 inches) x D 230 mm (9.05 inches)
Weight	1.8 Kg

Measurable range

Sphere	-19.00 to 16.75 D (increments of 0.25 D / 0.5 D to 3.0 D)
Cylinder	0.00 to ± 6.00 D (increments of 0.25 D / 1 D)
Axis	0 to 180° (increments of 1° / 5°)
PD	48 to 80 mm (distance mode)
Rotary prism	0 to 20 Δ (increments of 0.1 / 0.5 / 2 Δ)

Auxiliary lens

Cross cylinder	± 0.25 D
Eye cover	Available
Pinhole	$\varnothing 2$ mm
Red/green filter	Right eye: red / Left eye: green
Polarizing filters	Right eye: 135° / Left eye: 45° Left eye: 45° / Left eye: 135°
Fixed cross cylinder	± 0.50 D
Spherical lenses for retinoscope	+1.5 D / +2.0 D
Red Maddox rod	Right eye: horizontal / Left eye: vertical
Dissociating prism	Right eye: 6 Δ BU / Left eye: 10 Δ BI
Refraction distance for near vision	400 mm
Adjustment range of the forehead rest	12 mm

A new type of digital phoropter: Featuring the simplicity and comfort of a manual refractor.

REF. 8255-0002-00

Digitalize your standard refractor, control the entire refraction process from a tablet making refraction quicker and easier than ever before, providing unparalleled performance and exceptional versatility. Keep your refraction habits. The VX55 from Visionix offers effortless efficiency without changing the way you work.

FEATURES AND BENEFITS

Advantages of a digitalized manual phoropter:

- A virtual manual phoropter on the tactile tablet to keep the habit of uses
- Features the ability to memorize two refractions and gather feedback on preference from your patient
- Control of the chart display from the tactile tablet with feedback of the displayed optotypes
- One click to reset the phoropter head at the end of the exam

A sound ergonomic design

- Bluetooth wireless communication between the head and the tablet: freedom of movement
- Provides technology that will offer your patients the «wow» factor
- Unique Add "assist" function offering easier operation when testing the add value in near vision
- Built-in white LED lighting offers clear and safe illumination switching to near vision

High quality product

- Smooth, quiet lens selection for faster examinations
- Compact and ergonomic Design
- Multi-coated lenses for better Performance



Product's video
<http://www.visionix-vx55.com>

Technical specifications

General	
Dimensions	W 360 mm (14,17 inches) x H 280 mm (11.02 inches) x D 80 mm (31,50 inches)
Weight	3.8 kg (8.4 lbs)
Standard accessories	Tablet, Near point card, Near point rod, Forehead rest, Face shield, Power cord
Power consumption	AC 100 to 240 V (±10%), 50 / 60 Hz
Power consumption	30 VA
Measurable range	
Sphere	-19.00 to 16.75 D (0.25 D increments)
Cylinder	0.00 to ± 6.00 D (0.25 D increments)
Axis	0 to 180° (1° increments)
PD	52 to 80 mm (far mode)
Rotations prism	0 to 20 Δ (0.1 Δ increments)

Auxiliary lens	
Cross cylinder lens	± 0.25 D
Occluder	Available
Pinhole	ø 2 mm
Red-green filter	Right eye: red, Left eye: green
Polarizing filters	Right eye: 135 ° / Left eye: 45 ° Right eye: 45 ° / Left eye: 135 °
Fixed cross cylinder lenseye: 45 °	± 0.50 D
Spherical lenses for retinoscope	+1.5 D / +2.0 D
Red maddox rod	Right eye: horizontal, Left eye: vertical
Dissociation prism	Right eye: 6 ΔBU / Left eye: 10ΔBI
Refraction distance for near vision	150 to 700 mm
Forehead rest adjustment range	12 mm

For a complete subjective refraction

REF. 8250-0001-00

For a classic refraction, use the manual phoropter VX50 with its compact and ergonomic design.

FEATURES AND BENEFITS

Easy to operate

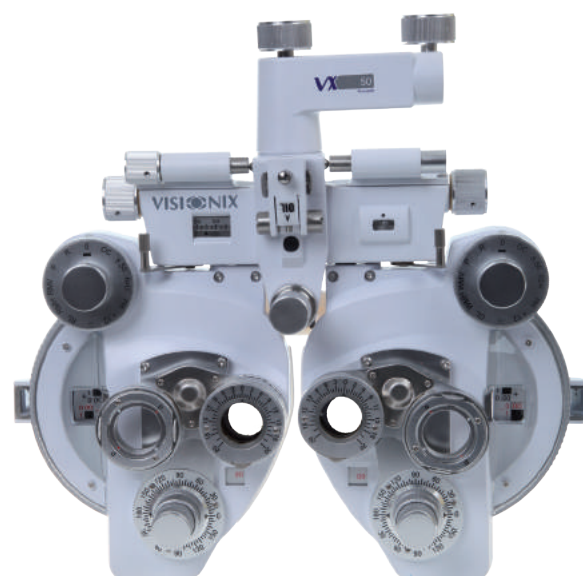
- Automated rotation of cross cylinder with the cylinder axis
- Natural position for near vision with convergence movement

High range device

- Multicoated lenses
- High quality components

Auxiliary lens dial:

- (O)-Open aperture (two positions)
- (R)-Retinoscopic lens, +1.50D
- (P)-Polarizing lens (45° - left eye / 135° - right eye)
- (WMV) or (RMV)-Maddox rod. Vertical (white - left eye / red - right eye)
- (WMH) or (RMH)-Maddox rod. horizontal (white - left eye / red - right eye)
- (RL)-Red lens (1.12-10.12D sphere)
- (PH)-Pin hole
- (10ΔL) or (6ΔU) - (10Δ base-in left eye / 6Δ base-up right eye)
- (±.50) - ±0.50D fixed cross cylinder
- (OC)-Occluder



Technical specifications

General

Dimensions	W318 mm x H293 mm x D96 mm W 12.51 in x H 11.5 x D3.8
Weight	5 Kg (11 lbs)
Lens/eye Distance	13.75 mm
Head-rest adjustment	16 mm
Convergence	380 mm (when PD = 64mm)
Standards	MDD, CE

Measurement range

Sphere	+16.75 to -19.00D (Step 0,25D) +26.75D to -29.00D with additional lenses of +10.00 or -10.00D
Cylinder	0.00 to -6.00D (Step 0,25D)
Axis	0 to 180°
Cross cylinder	+/- 0.25D
Rotary prisms	0Δ to 20Δ, Step 1D
PD adjustment	48 to 75 mm, Step 1mm
Accessories	Near point card, holder and reading rod

Charts Displays And Projector



- | | |
|----|-----------------------|
| 18 | VX24 |
| 19 | VX22 |
| 20 | VX19 |
| 21 | ACUITAB / GLARE TESTS |
| 22 | L29i |

Screen with dynamic polarization

REF. 8241-0024-00

Features and Benefits

- Linear polarization
- Sharpness, width, connections on the rear
- Comprehensive range of applications from low vision (ETDRS) to hyper acuity
- Screening for color vision deficiency
- Contrast Test (useful after cataract or refractive surgery)
- Working distance adjustable from 2 to 8 meters (6.5- 26 feet)
- Upgradable when new tests are added
- Multimedia feature (videos)
- New frame to better bring out the tests from the environment

Advanced analysis of the binocular function

The use of the 3D polarization screen is one of the key features of this device allowing a perfect dissociation of the right eye/left eye. This offers the ability to proceed with many other tests with optimal quality for the exam of bi-ocular, binocular, and stereoscopic vision.

A very intuitive menu

With an accessible duochrome calibration (for a perfect and customized extinction of your red-green filter, whatever phoropter or trial frame you use).



Optotypes

- Series of optotypes: letters, numbers, Snellen tridents, Landolt rings, 4 ranges for kids
- Large range of acuities on all tests: from 0.05 to 2.00 with many steps
- Decimal or logarithmic progression (available scores: Monoyer, decimal, LogMAR, and Snellen)
- Ability to change the displayed letters by pushing on CHANG
- Isolated optotype, line, or triple display on the same or different acuity
- R/G test available on any test at any time
- Contrast adjustable from 100% to 5% on all ranges

Additional tests

- Parent's test
- Mallet's test
- MKH tests (cyclophoria, stereo ...)
- Dots group
- Jackson's cross
- Worth's test
- Schoeber's test
- Relief vision test (polarized)
- Coincidence, aniseikonia (polarised)
- Reticule of phoria (polarised)
- 2 fixation points: small white circle & clown for kids
- Ishihara tests
- Binocular balance (polarised)
- Duochrome balance (polarised)
- Regan and Pelli-Robson contrast sensitivity tests
- Amsler's test

OPTIONS

- Acuitab connectivity
- Wall support for phoropter arm (Ref. 8630-1329-82)
- Glare testing (Ref. 8240-1001-00)
- Table foot (Ref. 7610022)
- Floor stand (Ref. 7191013)

Several tests:



Technical specifications

Dimensions	W695 mm x H455 mm x D70 mm W-27.4 in H-17.9 in D- 2.8 in
Weight	11 kg (24 lbs)
Power	230 VAC
Screen	24"
Brightness	300 Cd/M2
Contrast ratio	1000
Remote control	IR 22 buttons
Standard fixation	Vesa 100 x 100

A large range of optotypes

REF. 8240-0019-00

The technology developed in the L40 allows access to a large range of optotypes and display modes. Fully featured and highly ergonomic, this unit is as simple to use as a charts projector.

FEATURES AND BENEFITS

Features

- Comprehensive range of applications from low vision to hyper acuity
- Contrast and colour tests
- Aesthetic and compact design
- Contrast Test (useful after cataract or refractive surgery)
- Working distance 2m to 8m (6.6 ft to 26,2 ft)
- Intuitive remote control
- Easily upgradable
- Multimedia feature (videos)
- 19" screen

Classic tests

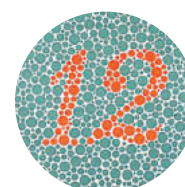
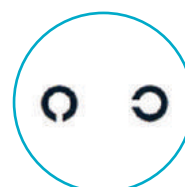
Charts used for the measurement of visual acuity result from the ISO 8596 standards, and were approved by several international publications.

Fixation

The L40 is set on to the wall or stands instead of the traditional projector screen. It operates like a projector with its remote control.

Remote control

Links with and can be controlled by most Auto Phoropters on the market, wirelessly.



Tests

EDTRS scale with score counts at 1m, 2m and 4m (3ft, 6.5ft and 13 ft)

Additional tests:

- Parent's test
- Dots Group
- Jackson's cross
- Worth's test
- Schoeber's test
- Binocular vision tests
- Coincidence tests
- 2 fixation dots: small white dot and clown for kids
- Ishihara tests
- 6 Optotypes tests: letters, figures, Snellen, Landolt's ring, 3 ranges for kids: Shadows & shapes (triangles, squares, rounds ...)
- Large range of possible acuities on all tests: from 0.05 to 2.00
- Decimal or logarithmic progression (available scores: Monoyer, decimal, LogMAR, MAR & Snellen)
- Possibility to change the displayed letter in one touch.
- Isolated optotype, line, or triple line display on the same or different acuity
- R/G test available anytime on any test (one touch)
- Contrast adjustable from 100 to 5% on all ranges
- Amsler's test
- Pelli Robson's test / Regan's test

OPTIONS

- Acuitab connectivity
- Table foot (Ref. 7610022)
- Wall support for phoropter arm (Ref. 8630-1329-82)
- Floor stand (Ref. 7191013)
- Glare testing (Ref. 8240-1001-00)

Technical specifications

General	
Dimensions	W 169.3 mm x H 145.7 mm x D 27.6 mm (W- 6.66 in H- 5.73 in D- 1.08 in)
Weight	6.8 Kgs (15 lbs)
Power Supply	110-230 V AC 230 V AC
Screen	19"
Brightness	300 Cd/M ²
Contrast ratio	400
Remote control	IR 22 buttons
Standard fixation	Vesa 100 x 100
Standards	MDD, CE

GLARE TESTING

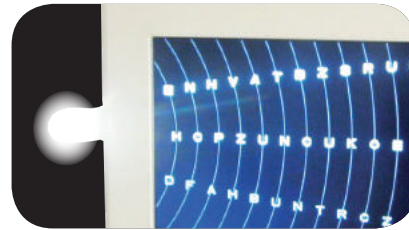
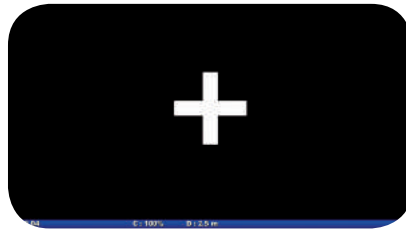
Chart display glare tests kit (compatible VX24, VX22, VX19)

REF. 8240-1001-00

This device consists of two lateral light sources, can fit all Visionix chart displays to create similar conditions for night driving.

Different tests are available (radial lines of letters, cross, night driving conditions).

Ideal for the early detection of cataract, refractive surgery control, ability to drive at night.



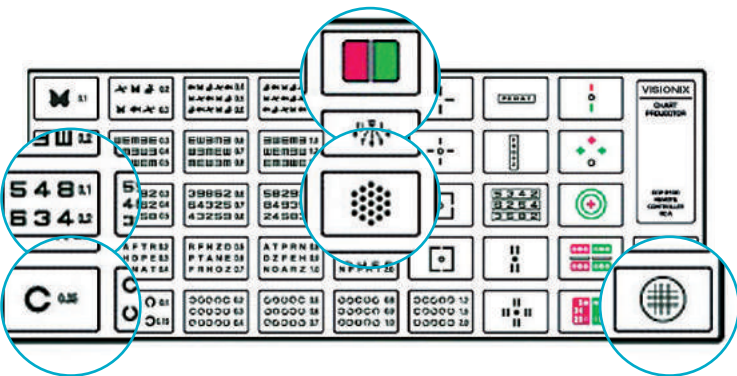
All possible acuity tests

REF. 7610020

The L29i charts projector provides all necessary acuity tests thanks to wide range of optotypes. The high resolution and quality of tests design allows exceptional contrast and brightness, while even displaying smaller optotypes.

Totally comprehensive

- 41 tests, including masks & special tests
- Complete range of tests for binocular balance (polarised & R/G)
- Fast chart changing speed (0.15s)
- Passing tests without rebound
- Infra-red remote control
- Unit mounting column or table stand



Technical specifications

General	
Dimensions	W 362 mm x H 265 mm x D 210 mm [W-14.25 in H-10.4 in D- 8.3 in]
Weight	6.7 kg (Projector 5.9 kg + foot 0.8 kg) 14.8 lbs (Projector 13 lbs+ foot 1.8 in)
Fuses	5 x 20 mm 250V, 630 mA
Projection distance	2.5 ~ 8 m
Charts	41 charts, masks, Red / Green
Chart rotation speed average	0.15 sec
Masks	34 masks R/G, Polarised, horizontal line, Isolate
Projection	Magnification 30 x at 5 m
Power saving	Automatic Switch off (10 min)

Program	2 programs with a maximum of 30 charts each
Tilt angle	15°
Power supply	110 - 120 / 220V - 240v ~, 50 / 60 Hz, MAX 0.6A
Lamp	6V / 30W (Halogen)
PD adjustment	48 to 75 mm, step 1 mm
Standards	MDD, CE

Lensmeters



24 VX40

25 VX35

26 VX30

Wavefront technology inside

REF. 3014-0000-00

This new generation of completely automatic lensmeter is based on Visionix Wavefront technology. Pressing one button, you have an analysis of the entire frame.



Automatism and precision

With its innovative system of «frame» support, the VX40 is the only lensmeter in the market which combines automatism with a high precision in measurement.

Easy to use

The unique lensholder system allows a fast insertion of the frame with only one hand! After pushing the measurement button the whole process works on it's own. The VX40 allows you to spend more time with your patients and less time with analysis.

Automatic lens type detection

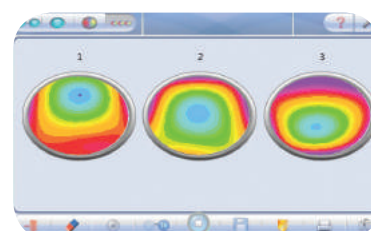
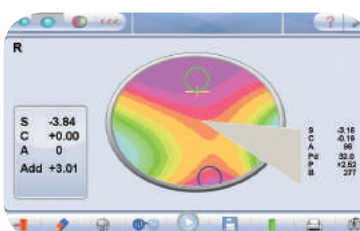
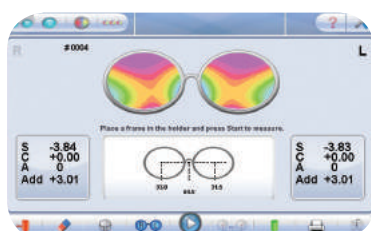
VX40 detects all types of lenses: progressives, office and single vision lenses as well as bifocals. It is compatible with all lens technologies and brands.

Complete analysis

With this instrument, each point of a lens can be studied. Progressive and freeform lenses will no longer be a mystery.

Comparison between progressives

The lens is studied over the whole area. So even freeform progressive lenses will be able to be compared and analyzed.



Technical specifications

General data	
Dimensions	W 220 mm x H 455 mm x D 240mm W- 8.66 in H-17.9 in D-9.44]
Weight	9 Kg (20 lbs)
Printer	Internal
Screen	LCD/16M colours, 7"
Light source	LED – 730 nm
Working conditions	10 to 40°C
Power supply	115/230V – 50/60 Hz
Standards	CE
Data output	RS-232, Bluetooth

Measurement range	
Number of analyzed points	Up to 1350
Sphere power	-15 ~ +10D (step 0.01, 0.06, 0.125, 0.25D)
Cylinder power	0~10D (step 0.01, 0.06, 0.125, 0.25D)
Cylinder axis	0~180° (step 1°)
Addition power	0~± 3.5D (step 0.01, 0.06, 0.125, 0.25D)
Prism power	0~± 10 Δ (step 0.01 Δ)
PD measurement	Mono / Bino
Cylinder	-, +

Wavefront based with 130 point simultaneous measurements

REF. 8235-0001-00

REF. 8235-0012-00 [VX35 LIGHT]



The VX35 automatic lensmeter is based on patented Visionix Wavefront technology delivering fast and accurate measurements.

FEATURES AND BENEFITS

Wavefront analysis

- Based on a 130 point Shack Hartman sensor, results are exceptionally accurate while providing a fast and efficient measurement
- Benefits of 130 points in a 8 mm cone:
 - Easy Centering
 - Increase accuracy
 - Faster neutralization of the lens
 - Exceptionally stable
 - Auto measurement
 - Lens type identification
- Power map (Wavefront) technology inside

Technical features studied for ease of use

- Using a green light, accuracy is optimized regardless of lens type
- The VX35 saves time by using the same optical path to measure UV transmission and optical power
- A wide range of measurements for all lens types (25D and up to 20 diopters of prism)
- Workflow is optimized with a 7" color touch screen which tilts to accommodate any user
- High speed parallel processing for easy process
- Low transmission lens measurement, for sunglasses

And of course...

- Automatic detection of Progressive lenses
- Integrated thermal printer
- Pupillary distance measurement
- Contact Lens Mode



Technical specifications

Main data		Range	
Dimensions	L 235 mm x D 246 mm x H 487 mm (L 9.25 in D 9.6 in H 19 in)	Sphere	-25.00 D to +25.00 D
Weight	6 kg (13 lbs.)	Cylinder	-10.00 D to +10.00 D
Printer	Internal, 57mm	Axis	0° to 180° (step : 1°)
Screen	TFT color 800 x 480 pixels	Prism	0 à 20cm/m, 0.01 cm/m step
Conditions of use	+10°C à +40°C	Addition	0 to 10.00 D
Power	100/240 V / 50/60 Hz	Step	0.01 D / 0.06 D / 0.12 D / 0.25 D
		PD	42mm to 82mm

Table of features / versions available

Versions availables	Touch Screen	Auto recognition of progressive lenses	Wave front	Contact lenses mode	PD measure	UV Transmission measure	Thermal printer	Toner
VX35	•	•	•	•	•	•	•	Markers & Ribbons
VX35 light	•	•	•	•				Ribbons

Perfectly adapted to the assembly and control of lenses

REF. 8630-0001-00

Unrestricted tilting angle can be clamped at any angle allowing measurement in a comfortable position.

FEATURES AND BENEFITS

Features

- Inclusive diaspometer
- Internal reading system target: Crossline and Corona
- Can be tilted to a full 90° for easy measurement of contact lenses
- Accepts large diameter lenses (from 24–90 mm)
- Can be equipped with a prism compensator (optional)



Technical specifications

General	
Dimensions	380(H) x 170(W) x 400(D)mm at tilt angle of 30° 465(H) x 170(W) x 400(D)mm at tilt angle of 90°
Weight	4.3 kg (approx.)
Target method	crown and deformed cross line
Lenses accommodated	30 to 90 mm (to measure contact lenses use an accessory lens holder)
Tilting angle	30 to 90 degrees
Light	Green Led 6V 12W

Measurement range		
Vertex power	Range	0 to ± 25 D
	Step	0.125 D steps up to ± 3 D
		0.25 D steps over ± 3 Dp
Prismatic power	Range	0 to ± 6 D
	Step	0.5 D steps up to ± 2 D
		1.0 D steps over ± 2 D
Cylindrical axis	Range	0 to 180 degrees
	Step	1 degree
Standard accessories	1 Dust cover	
Optional accessories	Prism compensator	
	Diopter range : 0 to ± 15 D	
	Graduations 1 diopter step	
	Angle scale 0-180°	
Power supply	Graduations 5°	
	AC/DC 110-220V – 6Vdc 12w	

VISIONIX
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Range

Slit Lamps



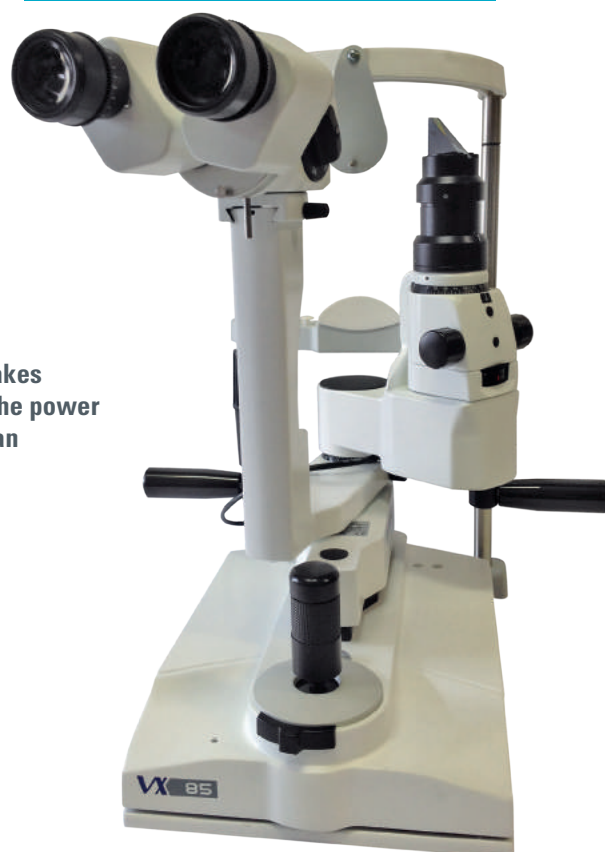
- | | |
|----|----------|
| 28 | VX85 |
| 29 | VX80 |
| 30 | VX75 |
| 31 | VX70 |
| 32 | EYEPIX 3 |

Electric height adjustment

Precision at high level

Converging 6° - 3 magnifications REF. 8485-0001-03	Parallel 6° - 3 magnifications REF. 8485-0002-03
Converging 6° - 5 magnifications REF. 8485-0001-05	Parallel 6° - 5 magnifications REF. 8485-0002-05

The VX85 slit lamps are characterised by a closed bearing base, which makes precise and easy positioning in front of the eye. The base also integrates the power cable making the unit appear cordless. Slit lamp intensity is supplied via an electronic lamp regulator located in the unit base.



FEATURES AND BENEFITS

Superior stereo microscope

- Choice of either three or five magnification levels
- Adaptation to your visual requirements by either parallel or converging ocular system
- Easy implementation of discreet fluo filter

Unique Features

- Closed joystick base guarantees unimpeded working by an integrated cable duct
- Ball bearing base on ground tracks guarantee an extremely smooth run of the slit lamp and makes a fast and precise positioning possible

Fast slit projector

- High illumination by LEDS with consistent luminance
- Continuous Variable slit lengths 1.5 – 11 mm
- Sharp slit images from the front cornea surface to the rear lens surface.
- Swivelling prism head

Built-in filters

- Blue cobalt (fluorescence), green (red-free), grey (heat absorbing) and yellow

OPTIONS

• Tonometer	Ref. 8475-8000-00
• Tonometer Support	Ref. 8475-8002-00
• Separate power supply	Ref. 8485-8001-00
• Individual table	Ref. 7760018
• Table for 2 instruments (V-shaped)	Ref. 7760016
• Eyepix 3	Ref. 8400-8023-00

Cost effective reliable technology

Converging 6° - 3 magnifications Converging 6° - 5 magnifications
REF. 8480-0001-03 REF. 8480-0001-05

Efficiently arranged operating controls and short paths made for easy working. Slit width, height and rotation, rotating then slit illumination and filters are easily located.

FEATURES AND BENEFITS

Reliable stereo microscope

- Choice of either three or five magnification levels
- Adaptation to your visual requirements by either parallel or converging ocular system
- Easy implementation of discreet fluo filter changer

Unique Features

- Standard base designed for single-handed operation
- Variable illumination level with a built-in controller
- With one step you can monitor the horizontal shift and convenient height adjustment of the VX80

Powerful slit projector

- High illumination by leds with consistent luminance
- Sharp slit images from the front cornea surface to the rear lens surface
- Swivelling prism head

Built-in-filters

- Blue cobalt (fluorescence), green (red-free), grey (heat absorbing) and yellow
- Built-in filters: Blue cobalt (fluorescence), green (red-free), grey (heat absorbing)



OPTIONS

- | | |
|--------------------------------------|-------------------|
| • Tonometer | Ref. 8480-8000-00 |
| • Tonometer Support | Ref. 8475-8003-00 |
| • Separate Power Supply | Ref. 8475-8001-00 |
| • Individual table | Ref. 7760018 |
| • Table for 2 instruments (V-Shaped) | Ref. 7760016 |
| • Eyepix 3 | Ref.8400-8023-00 |

Reliable technology

Converging 6° - 3 magnifications

REF. 8475-0001-03

Converging 6° - 5 magnifications

REF. 8475-0001-05

Parallel 6° - 3 magnifications

REF. 8475-0002-03

Parallel 6° - 5 magnifications

REF. 8475-0002-05

Our wide range of slit lamps secure the operator with superior imaging thanks to reliable optics and light technology.

On the basis of well-recognised illumination concepts the operating features and illumination are positioned on top of the microscope. Excellent optics and brilliant image distinguish the VX75.

FEATURES AND BENEFITS

Slit projector

Recognised slit projector with operating elements on top of the microscope
Variable slit lengths from 1 to 12 mm
Vertical tilting system up to 20° in 5° steps

Exceptional Stereo microscope

Choice of either three or five magnification levels

With converging ocular system

High contrast and brilliant pictures due to MAR coated optical lenses

Unique Stereo microscope

- Select up to five magnification levels via convenient magnification changer
- Adaptation to your visual habits by a variety of ocular tubes
- Experience unrestricted visual comfort even if you wear glasses by the five-focal optics of the eyepiece

Ergonomic features for operating convenience

- Convenient working distance
- Cross carriage with single-handed operation
- Slit adjustment, filter, scales and lock-in positions are within close range
- Suitable for right & left-handed users

Built-in-filters

- Blue cobalt (fluorescence), green (red-free), grey (heat absorbing) and yellow



OPTIONS

- | | |
|--------------------------------------|-------------------|
| • Tonometer | Ref. 8475-8000-00 |
| • Tonometer Support | Ref. 8475-8002-00 |
| • Separate Power supply | Ref. 8475-8001-00 |
| • Individual table | Ref. 7760018 |
| • Table for 2 instruments (V-shaped) | Ref. 7760016 |
| • Eyepix 3 | Ref. 8400-8023-00 |

Stereo Microscope

Converging 6° - 5 magnifications REF. 8470-0001-05

Converging 6° - 3 magnifications REF. 8470-0001-03

Converging 6° - 2 magnifications REF. 8470-0001-02

With his modern optical design, the VX70 will cover all the needs of your practice. This slit lamp utilize a multi-coated system which transmits light more efficiently, for a very good clarity.

The LED light source is more economical and better for the environment with a longer life time (100 x more than the halogen one) and provides a better uniform illumination. Available in 5 x, 3 x or 2 magnifications.

FEATURES AND BENEFITS

Superior stereo microscope

- Convergent version
- The five primary magnifications give total magnification of 6x/43; 10x/27; 16x/16; 24x/11; 40x/7

Adjustments

Luminosity adjustments by potentiometer and boost button on joystick.

Built-in filters

- Blue cobalt (fluorescence), green (red-free), grey (heat absorbing)



OPTIONS

- Tonometer Support incl. Ref. 8480-5010-00
- Individual table Ref. 7760018
- Table for 2 instruments (V-shaped) Ref. 7760016

Technical Specifications

VX70

VX75

VX80

VX85

Magnifications	2x/3x/5x	3x/5x	3x/5x	3x/5x
Parallel version	-	•	•	•
Convergent version	•	•	•	•
Height adjustment: manual version	•	•	•	•
Height adjustment: motorized version	-	-	-	•
Slit width	0 - 14 mm Continually	0 - 14 mm Continually	0 - 14 mm Continually	0 - 12mm Continually
Slit length	0 - 14 mm Continually	1,8 - 13mm Continually	1 - 12mm Continually	1,5 - 11mm Continually
Slit apertures	14; 10; 6; 4; 3; 1; 0,2mm	14; 9; 5,5; 0,3mm	12; 9; 5; 3; 1; 0,2mm	12; 8; 5; 0,2mm
Tyndall point	Ø 0,2mm	Ø 0,3mm	Ø 0,2mm	Ø 0,2mm
Slit rotation	± 90° Continually on TABO scheme	± 90° Continually on TABO scheme	± 90° Continually on TABO scheme	± 90° Continually on TABO scheme
Working distance	100mm	68mm	88mm	68 mm
Average viewing height	375mm	375mm	375mm	375mm
Light	LED	LED	LED	LED
Max light intensity	300 000 Lux	350 000 Lux	350 000 Lux	350 000 Lux
Longitudinal (In/Out)	99mm	113mm	113 mm	113 mm
Lateral (Left/Right)	118mm	107 mm	107 mm	100mm
Vertical (Up/Down)	30mm	30 mm	30 mm	30mm
Chin-rest height	76mm	76 ±1mm	66 ±1mm	70mm
Angle stéréo	6°	6°	6°	6°
Eyepiece	10x	12,5x	12,5x	12,5x
Total magnification/field of view (in mm) for 2 magnifications	10x/27; 16x/16	-	-	-
Total magnification/field of view (in mm) for 3 magnifications	10x/27; 16x/16; 25x/11	10x/24; 16x/14; 25x/8mm	10x/24; 16x/14; 25x/8mm	NA
Total magnification/field of view (in mm) for 5 magnifications	6x/43; 10x/27; 16x/16; 24x/11; 40x/7	6x/37; 10x/24; 16x/14; 25x/8; 40x/5,2mm	6x/37; 10x/24; 16x/14; 25x/8; 40x/5,2mm	5x/44; 8x/26; 14x/15; 24x/9; 36x/6mm
Pupillary adjustment	"52 - 90mm (2 magnifications) 55 - 75mm (3 or 5 magnifications)"	48,5 - 80mm	48,5 - 80mm	48,5 - 80mm
Diopter adjustment	+/- 6D	+/- 6D	+/- 6D	+/- 6D
Blue (fluorescence)	•	•	•	•
Green (red-free)	•	•	•	•
Grey (anti heat)	•	•	•	•
Yellow	-	•	•	•
Power supply	Provided	8475-8001-00	8475-8001-00	8485-8001-00
Power supply for the slit lamp	3,4V, 700mA	~12V AC	~12V CA;	12V AC
Power supply for the fixation point	5v	12V	12V	12V
Input voltage	110V / 220V AC; 60/50Hz	100V/120V/230V/240V AC; 60/50Hz	110V / 220V AC; 60/50Hz	110V / 220V AC; 60/50Hz
Fusible	NA	"100-120V CA -- 1A 230-240V CA -- 0,5A"	"100-120V CA -- 1A 230-240V CA -- 0,5A"	1,2A
Width	380mm	296mm	299mm	240mm
Depth	530mm	313mm	313mm	300mm
Height	780mm	433±15mm	644±15mm	440mm
Weight	Packed: 26Kg (2 magnifications), 28Kg (3 or 5 magnifications)	"Lamp: 7,4Kg Digital lamp: 8,1Kg"	"Lamp: 8,7Kg Digital lamp: 9,4Kg"	12,0Kg Instrument (excluding accessories; Headrest: 1,5Kg)
MDD, CE	•	•	•	•
Safety class	I	I	I	I
Parts applied	type B	Type B	Type B	Type B
Tonometer	8480-5010-00	8475-8000-00	8480-8000-00	8475-8000-00
Tonometer support plate	Provided with the tonometer	8475-8002-00	8480-8003-00	8475-8002-00
Compatibility with EyePix2	-	-	-	-
Compatibility with EyePix3	-	•	•	•

An approved technology (compatible VX85, VX80, VX75)

REF. 8400-8023-00

The system consists of a digital video camera and software for processing data.
 Eyepix allows you to document and visualize your process and / or results to dynamically display.
 The screen allows you to follow in real time your exam and so reassure your patient.

FEATURES AND BENEFITS**High Resolution**

5 Megapixels high definition image resolution produced by the 1/2.5 inch CMOS sensor. All tiny subjects are shown clearly through the active imaging pixel array of 2,592 x 1,944.

Enhanced Auto Exposure

Target area size for auto exposure can be changed easily via moving the mouse lightly. Just control target area freely, and enjoy your vision clearly.

Unique Snapshot Design

Infrared snapshot button is the most stable wireless control solution. Located on the joystick, it realizes the perfect integrate with your slit lamp. You will not miss any image via special snapshot tone, and it can be turned on/off optionally.

Plug and Play USB

Only one data line, no need any power cable, will realize data transmission easily via plug and play USB. Neither extra hardware nor complicated computer configuration is required.

Powerful Image Processing

Multiple output file formats are available, such as RAW, PNG, BMP and JPG. All the images in BMP format can be edited for brightness, contrast, sharpness, zoom, etc.

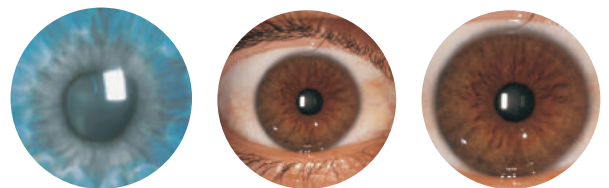
Practical Software Management

Simple design and intuitive interface allows easy operation. Professional patient information database supports centralized management.

Compact Size

The most compact digital module (135mmX 74mm X48.5mm) makes it installed conveniently and operated easily.

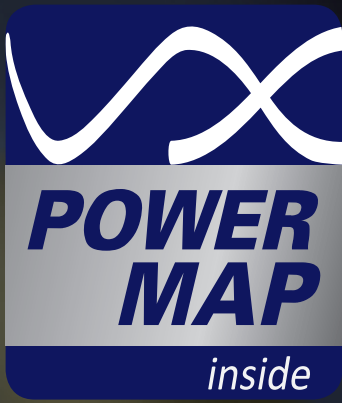
List of equipment supplied: Imaging module body and IR joystick.

**Technical specifications**

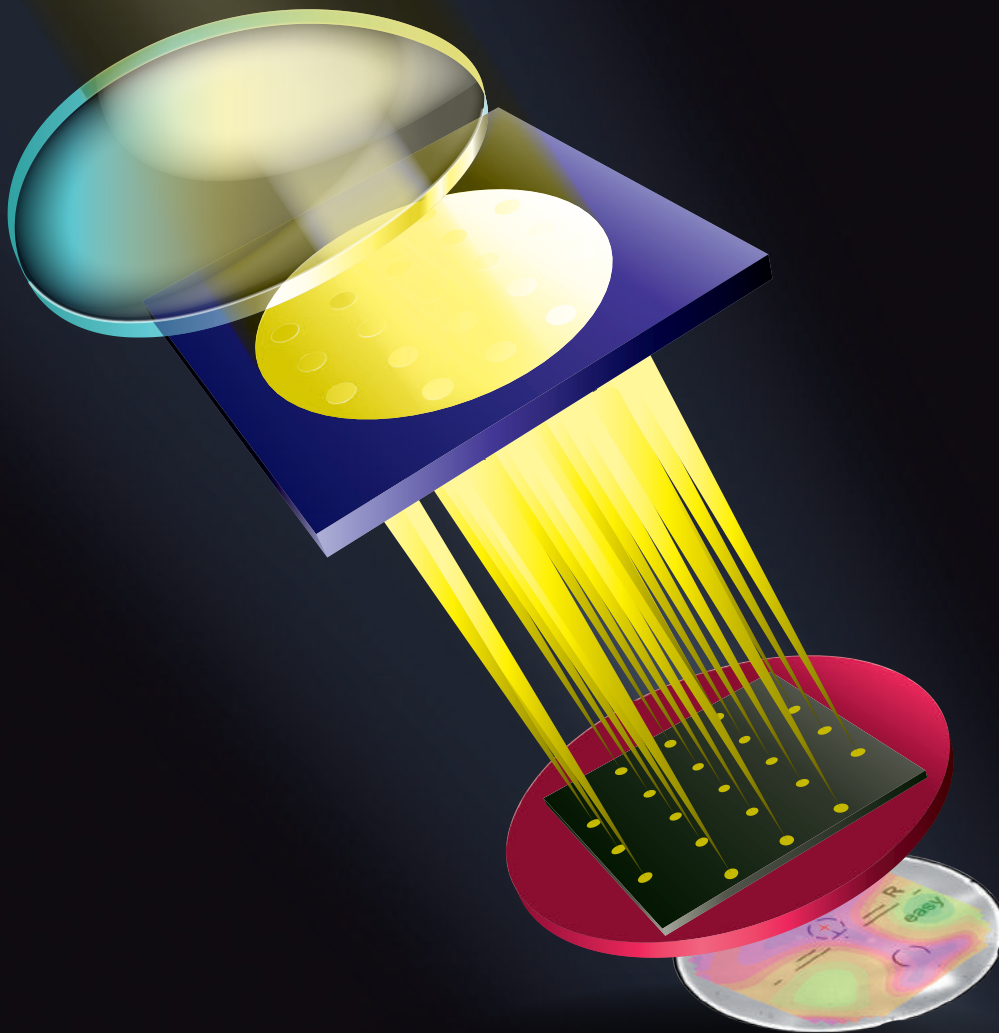
Imaging Module	
Images sensor	1/2.5 inch high speed &HD image sensor
Image resolution	2592 X1944
Image format	jpeg
Video resolution	1920 X1080 (Full HD) 25fps 1280 X720 (HD) 30fps
Image capture mode	Infrared touchpad joystick, shutter pedal, mouse click, keyboard shortcut button.
Exposure mode	Auto exposure, auto gain & auto white balance.
Data transmission interface	USB 2.0, wireless (infrared)
Power supply	USB 2.0, 5V/DC

Software

Base	Developed under the Microsoft .Net environment using C # and specialized user interface and image manipulation libraries.
Support OS	Windows 7 (32 bits)/ (64 bits), Windows 8 (32 bits)/ (64 bits), Windows XP (32 bits)/ (64 bits) Note: for Microsoft has stopped maintaining and update of Windows XP, it's recommended to take Win7/Win8 as first choice.
PC Requirements	CPU: dual-core Memory: 1G or above Storage disk: 160G or above (Note: large storage space is required for setting the database.) Graphics: independent/ integrated



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$$Z_n^{-m}(p, \phi) = R^m \sin(m\phi)$$

Other Instruments



- 35** VX220
- 36** KER300
- 37** PM110
- 38** PT100
- 39** OPTITAB

Cornea and anterior chamber analysis

REF. 3020-0000-20



The VX 220 is a unique, complete, and fully automatic topography device.

The VX 220 features variations of refraction, pathologies such as keratoconus, and fitting of contact lenses with integrated topography.

With full integration in mind, the VX 220 is designed to be able to export measurements and findings and archive your data using Wi-Fi, USB key, office networks, etc.

FEATURES AND BENEFITS

Cornea analysis

- Contact lenses and fitting
- Screening keratoconus and corneal pathologies
- Pachymetry: measuring the thickness of the cornea

TECHNOLOGY:

Analysis of the wavefront, Placido disk, Scheimpflug camera.

Cataract

- Screening for loss of contrast and penetration of light
- Effect of the opacity on the quality of vision

TECHNOLOGY:

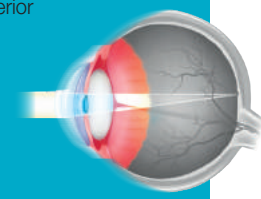
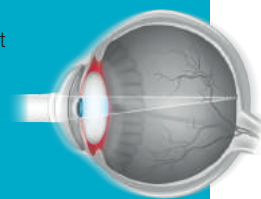
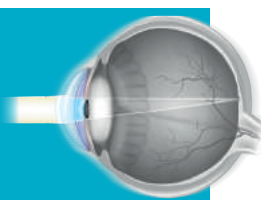
Retro illumination, Scheimpflug camera.

Glaucoma

- Measurement of IOP (intra ocular pressure measured in mm/Hg).
- Our measurement takes into account the thickness of the cornea to provide a corrected IOPc index (a too thin cornea will sub-evaluate the IOP and vice versa).
- Display iridocorneal angles and the height of the anterior chamber

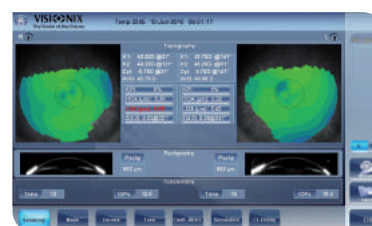
TECHNOLOGY:

Scheimpflug camera and non contact tonometer with soft air puff.



Technical specifications

General	
Dimensions	320 mm (W) x 555 mm (D) x 540 mm (H) W 12.59 in. x D 21.8 in x 21.25 (H)
Weight	27 kg / 59.5 lbs.
Working distance	94 mm
Alignment	XYZ automatic
Display	10,1" (1 024 x 600) TFT screen Multi-touch screen
Observation area	ø 14 mm
Printer	Integrated black and white - external color available
Voltage	100/120, 220/240 V CA, 50/60 Hz, 300 W
Medical directive	CE 0473
Output	RS232 / USB / VGA / LAN



Functional and economic keratometer

REF. 8303-0300-00

BENEFITS AND INSTRUMENTS

Measurements of the cornea

- Focal power of the cornea system
- Astigmatism, axial position and main cuts
- Curvature radius of the front cornea surface applications in the case of contact lenses
- Radius measurement of the interior and exterior surfaces of hard contact lenses

Appropriate layout of the operating and read-off elements

- All device operations can be carried out in one single step
- Radius and dioptric values are easy to read off thanks to appropriately integrated illumination and magnifying glass
- Simple setting of the second main step by index marks on the Tabo system which have been rotated by 90°



Technical specifications

Measurement figures

Dimensions	W 320 mm x H 430 mm x D 380 mm W12.6 in x H 16.9 in x D14.9 in
Type	According to Javal
Distance to the eye	150 mm
Voltage	110 / 220 V
Operating voltage	12 V
Standards	MDD, CE

Cornea measurement data

Curvature radius	5.6 to 11.3 mm (steps up to 0.05 mm)
Focal power of the cornea system	30.00 to 60,00 dpt (steps up to 0.25 dpt)
Focal power of cornea astigmatism	in 1-dpt steps or per scale (steps of 0.25 dpt)

Shaft angle measuring disc

Range	0° to 180°
-------	------------

PM110

Corneal reflection pupillometer

REF. 8602-0110-00

Used for measuring and recording (digital screen) of monocular and binocular Pupillary Distances (PD) for all distances between 35 cm and infinity.
Monocular and binocular PD readings can be measured from 48 to 77 mm in 0.5 mm steps.
Lighting automatically comes on as instrument is raised toward the patient, and automatically shuts off after it has been set down.



Technical specifications

General	
Automatic lighting and digital display	
Uses	2 X AA batteries
Dimensions	W 250mm X H60mm X D 160 mm [W- 9.8 H- 2.36 in D-6.3 in]
Net weight	720 g (1.60 lbs)
Standards	MDD, CE

Completely portable and cordless

REF. 8501-0100-00

The PT100 is the world's first completely portable, cordless, Non-Contact Tonometer. The measurement head is fully self contained, utilizing a rechargeable battery. Additionally, the unit features an infra-red data port for wireless transmission of measurement data.

BENEFITS AND INSTRUMENTS

- The PT100 is supplied in a convenient carrying case with printer and charging base for easy and safe transportation to remote locations
- Clear user controls and visual indicators for an auto-matic, quick and easy measurement
- Very soft puff comfortable for the patient
- The long life-time lithium-ion battery provides a range of about 250 measurements per charge
- All measurements are clearly displayed on the large LCD screen
- Value of measures fully correlated with Goldmann tonometer values



Technical specifications

PT100 Measurement Head	
Dimensions	W 120 mm x H 254 mm x D 200 mm [W-4.7 in H-10 in D-7.9 in]
Weight, unpacked	1.3 Kg (2.7 lbs)
Standards	CE
Lithium Ion Battery Voltage	3.7 VDC

Charging Base	
Input Voltage	100 VAC to 240 VAC
Input Current	124 mA max
Input Frequency	50 Hz to 60 Hz
Output Voltage	3.5 VDC to 4.0 VDC
Output Current	1.0 ADC max
Measurement Range	0 mmHg to 60 mmHg
Ambient Operating Temperature Range	0°C (32°F) to +45°C (113°F)

Perfect front desk assistance

REF. 8701-1002-01 BRIOT VERSION

REF. 8701-1002-02 WECO VERSION

OptiTab offers multiple very useful functionalities beside the measurement of centration values. The Frame Selection and the Augmented Reality, which helps to show the «invisible» are just two of the tools that will support the Optician day by day.

KEY FEATURES

- Handy, easy to use Instrument, perfect for Front Desk!
- One Shot, very precise and reproducible Measurement
- High Level Tool together with iPad®
- Mobile Measurement System
- Lens Supplier Independent
- Highest Output for less money
- Connectable to Weco, Briot and Visionix



OptiTab Measurement

With the one and only EY-Stick Technology finally all needed data are taken by just one shot:

- Pupilar Distances for Far and Near Vision in Reference to the Frame
- Pupilar Height in Reference to the Frame
- Pantoscopic Tilt
- Frame Wrap
- Rear-Vertex Distance

Additional benefits

- The Lens Package Choose lens out of preloaded database
Find the perfect lens layout that fits
- The Lens Thickness Review Thickness over Refractive Index

Job Database

Create a Job Database with Name / JobID. Results can be printed or uploaded to additional management software (e.g. LabConnect)

Lens Demonstration Tool

This tool helps the Optician to explain the mostly Invisible!

Every Menu includes many options to compare, test, show

- Perfect Tool for Front Desk
- Show Anti Reflection Coating
- Show differences for Photochromatic
- Show advantage of High Index
- Show Polarization Effect
- Show Individual Designs
- Show the Difference of Tinted Lenses

Frame selection tool

Perfect Help for Customers Choice. Optician can take up to 4 photos, in good quality that the customer can review or send per Email.

Tool for Augmented Reality

An easy to use Tool to demonstrate differences between Designs.

- Use the camera to take Live Views to explain differences in lenses
- Explain Individuality easily
- Choose different lens designs
- Select different Surroundings

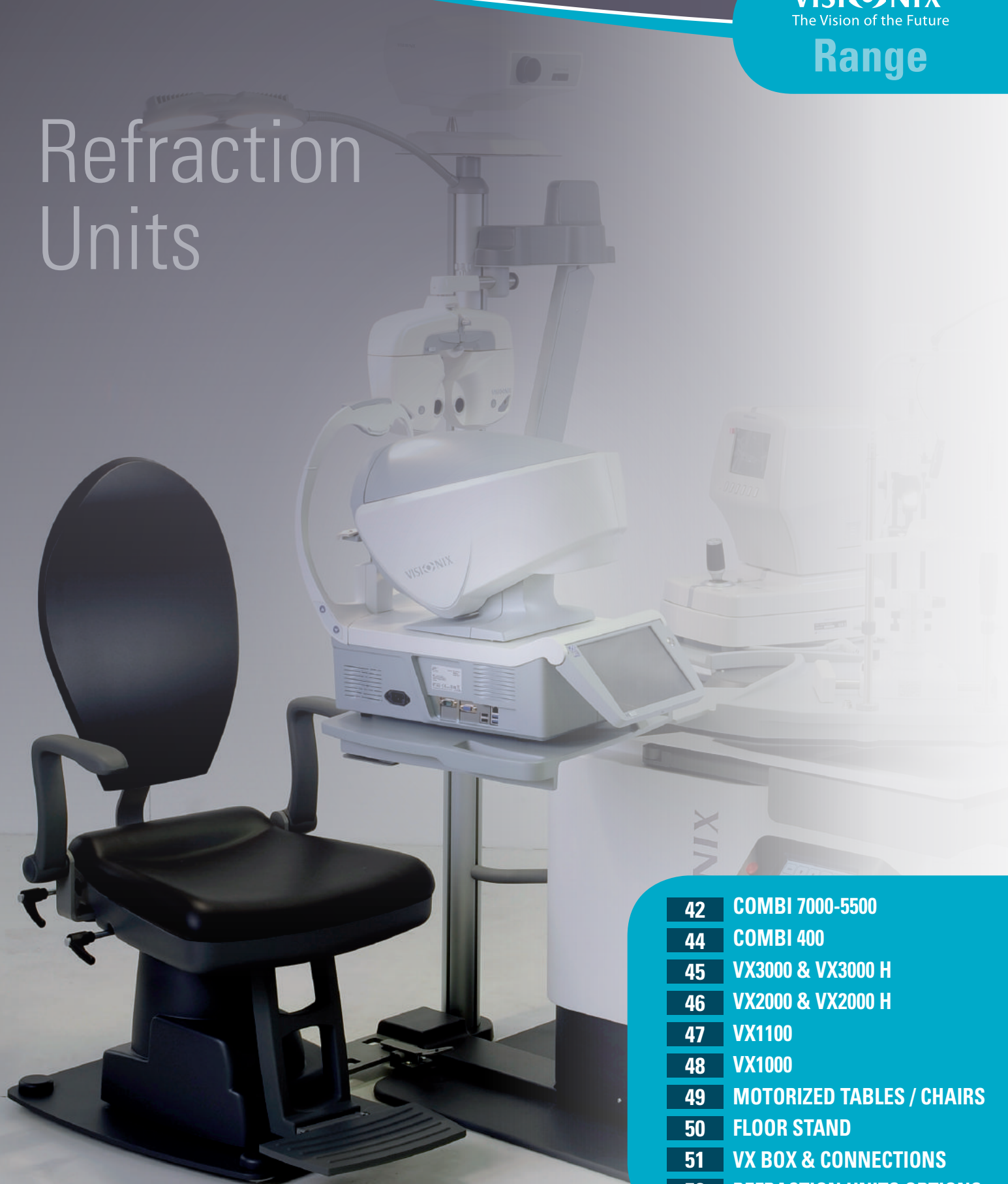
Communication

The Communication to our Edging Systems can be handled via

- Barcode Printing via Pre-installed Printer
Driver: barcode Delivers
Decentration Data only
- Communication via LabConnect via Webservice
(Cloud): Webservice
Communication can handle all data



Refraction Units



- 42 COMBI 7000-5500**
- 44 COMBI 400**
- 45 VX3000 & VX3000 H**
- 46 VX2000 & VX2000 H**
- 47 VX1100**
- 48 VX1000**
- 49 MOTORIZED TABLES / CHAIRS**
- 50 FLOOR STAND**
- 51 VX BOX & CONNECTIONS**
- 52 REFRACTION UNITS OPTIONS**

COMBI 7000-5500

Answer to all ophthalmic and optometric needs

Combi 7000 right version
REF. 7220067
Combi 5500 right version
REF. 7220065

Combi 7000 left version
REF. 7220068
Combi 5500 left version
REF. 7220066

Combi 7000 and 5500 are state-of-the-art systems Automation, ergonomic and modern design are the key features of these 2 refraction units.



Desk for personal computer (option)

FEATURES AND BENEFITS

Combi 7000 specific features

- The only fully automatic unit
- Automatic rotation
- Automatic sliding table for 4 instruments
- Phoropter arm (option)
- Soft rotation and sliding movements with smooth acceleration and deceleration
- More comfort with automation of the user and patient movements (like re-initialization)

Combi 5500 specific features

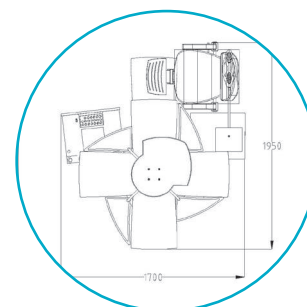
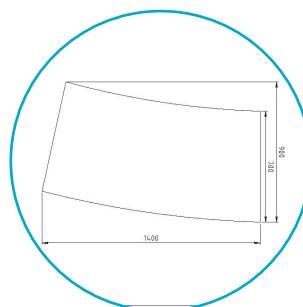
- Manual rotation
- Manual sliding table for 4 instruments
- Phoropter arm (option)
- Large handle for easy operation (Rotation and sliding)

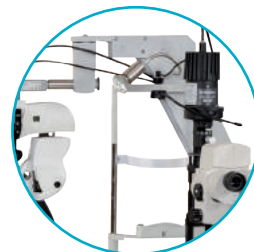
Common features

- Automatic up/down movement for instruments table from 800 to 950 mm
- Column with LED adjustable lamp and projector support plate
- Rotating console with control panel, drawer and room for storage (trial lens case in option in the drawer)
- Electric elevation chair seat height: from 480 to 670 mm
- Reclining back rest
- Removable arm rest and foot rest.

Technical specifications

General	
Power supply	230 Vac 50 Hz (230 Vac 60 Hz - 110 Vac 60 Hz)
Working table voltage	3-12 Vac 230 Vac 110 Vac 50 Hz 60 Hz
Foot print	1900 mm x 1800 mm [74.8 in x 70.8 in]
Electric elevation chair seat height	from 480 (18.9 in) to 670 mm (26.4 in)
Automatic up/down movement for instruments table	from 800 (31.5) to 950 mm (37.4)
Unit colour	light and dark grey (ral 7035 - 7037)
Chair colour	Black skai fabric
Standards	MDD, CE





Opened automatic phoropter arm



Control Panel



Drawers



Automatic sliding table

COMBI 400

The qualitative, functional refraction unit

Combi 400 refraction unit right
REF. 7220063

Combi 400 refraction unit left
REF. 7220064

The Combi 400 is an impressive refraction unit with its luxurious material choice and high-class design. The arm rests and the foot rests are made in solid aluminium and give the unit a sophisticated impact. Arm rests with optional wooden accents correlate with the finish featured on the instrument table. Additionally, the stylish refraction chair is covered with black Simili leatherette. With Combi 400 beauty is not just skin deep. All important operations are operated electromotive using a user friendly control panel. Two light sources create the optimal illumination of the entire working environment. The net result is a system that aims at satisfying all of your needs.

Features and Benefits

- High-class design and luxurious choice of material
- Two variants: right and left orientated execution
- Electromotive handling
- Clear control panel for all functions
- Extensive overhead illumination
- Direct illumination for reading tests ideal for Low Vision.

The instruments table of the Combi 400

The height-adjustable instruments table of the Combi 400 is completed in high-class wood (optional). The instruments table is equipped for up to two instruments and all movements of the instruments table can be navigated by the electromotive control panel, moving the instruments into position effortlessly and silently.

- Linear instruments table for two instruments
- Electromotively height adjustable
- Electromotive feed forward of the instruments table
- Automatic powering of the instruments during positioning.

Phoropter operation with the Combi 400 (optional)

When a phoropter is used for refraction the height adjustable phoropter arm is put into the proper electromotive position. The phoropter can also be tilted to facilitate a comfortable angle for reading, which is further assisted by way of an additional light source to illuminate the reading test type.

- Linear feed forward of the Phoropter arm
- Electromotive height adjustable Phoropter arm
- Tilting Phoropter arm for comfortable reading position

The comfort refraction chair of the Combi 400

The comfortable refraction chair is electromotive height adjustable, as well as forward and backward adjustable to move the patient to the desired position in a quick and secure manner. For special cases the backrest can be reclined and the arm rests can be pivoted. The refraction chair can also be pivoted away to allow easy access for patients in a wheelchair.

- Comfortable refraction chair with stylish black Simili leatherette covering
- Electromotively height adjustable refraction chair
- Refraction chair is pivotable and tiltable
- Foot rest and arm rest can be folded-away if wanted
- Automatic security-switch to protect the patient
- Moveable to permit wheel chair access



Wheel chair access



Drawer for accessories

Technical specifications

General

Min. seat height	530 mm [20 in]
Max. seat height	720 mm [28 in]
Inclination	70° adjustable-tilt
Seat adjustment	16 cm (6.2 in) back & forward
Arm rest	Pivotable
Standards	MDD, CE

VX3000-VX3000 H

Three instruments unit

VX3000 with three instruments table (right)

REF. 8115-3000-01

VX3000 with three instruments table (left)

REF. 8115-3000-02

VX3000 H with electric elevation table (right)

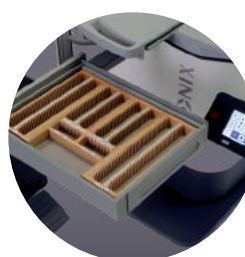
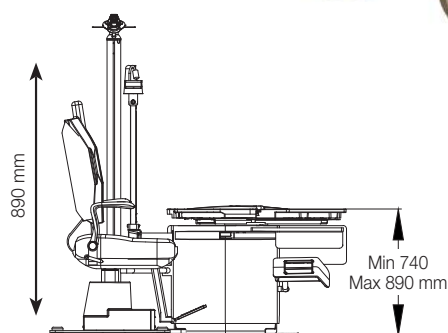
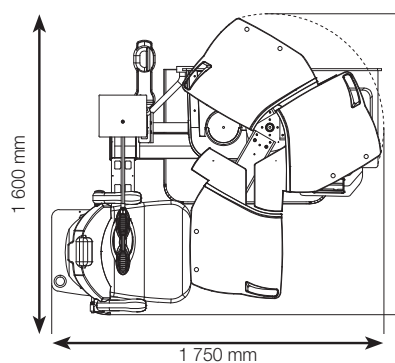
REF. 8115-3000-11

VX3000 H with electric elevation table (left)

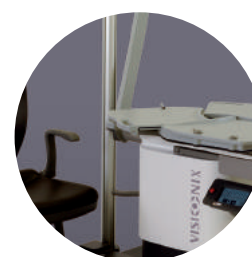
REF. 8115-3000-12

Features and Benefits

- Rotary table
- Available in RIGHT or LEFT handed version
- Table for 3 instruments with manual rotation and manual sliding working position
- Electro mechanic locking system for table in any position
- Console with touch screen control panel + hand instruments support
- Column with adjustable led lamp and projector support plate
- Electric elevation chair
- Reclining back rest
- Removable arm rest and foot rest



Lenses Tray



Three instruments table

Technical specifications

General	
Dimensions	1600 X 1750
Weight	250
Height of the seat (mm)	530 - 720 mm
Table up/down	H Model
Height of the Table VX3000	890 mm
Height of the table version H	740 - 890 mm
Voltage	230Vac 50 Hz (230Vac 60Hz – 110Vac 60Hz)
Working table voltage	Instrument 1 = 12 V / Instrument 2 = 220 V Instrument 3 = 220 V
Standards	ISO 9001:2008 - ISO 13485:2012

Features	
Back rest inclination	•
Armrest	•
Footrest	•
Removable armrest	•
Removable footrest	•
Seat backward - forward	Option
Seat rotation	180°
Seat up/down	•

VX2000-VX2000 H

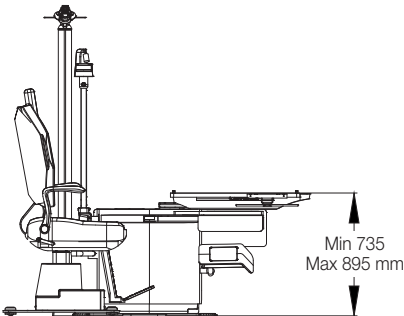
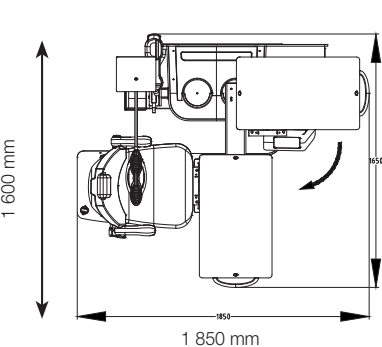
Comfortable trendsetter unit

VX2000 with two instruments table (right)
REF. 8115-2000-01
VX2000 with two instruments table (left)
REF. 8115-2000-02

VX2000 H with electric elevation table (right)
REF. 8115-2000-11
VX2000 H with electric elevation table (left)
REF. 8115-2000-12

Features and Benefits

- Available in RIGHT or LEFT handed version
- Sliding table for 2 instruments
- Electro mechanic locking system for table in any position
- Console with touch-screen control panel + hand instruments support
- Drawer
- Column with adjustable led lamp and projector support plate
- Electric elevation chair
- Reclining back rest
- Removable arm rest and foot



Control panel



Drawer accessories

Technical specifications

General	
Dimensions	1600 X 1850
Weight	220
Height of the seat (mm)	530 - 720 mm
Height of the Table VX2000	870 mm
Height of the table version H	735 - 895 mm
Voltage	230Vac 50 Hz (230Vac 60Hz – 110Vac 60Hz)
Working table voltage	Instrument 1 = 12 V / Instrument 2 = 220 V
Standards	ISO 9001:2008 - ISO 13485:2012

Features Min	
Seat rotation	•
Back rest inclinasion	•
Armrest	•
Footrest	•
Removable armrest	•
Removable footrest	•
Seat up/down	•
Table up/down	H Model
Seat backward - Forward	Option

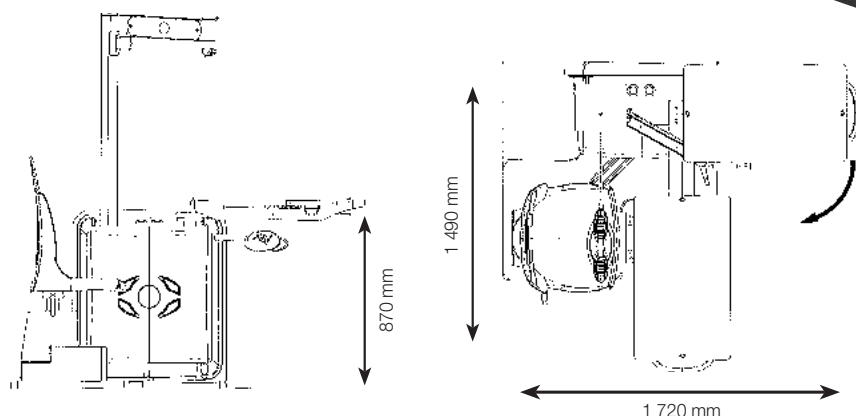
Classic and compact unit

Right version with two instruments table
REF. 8115-1100-01

Left version with two instruments table
REF. 8115-1100-02

Features and Benefits

- Sliding table for 2 instruments
- Mechanical locking system for table
- Digital control panel
- Column with adjustable led lamp and projector support plate
- Electric elevation chair
- Fix back rest



Technical specifications

General	
Dimensions	1490 X 1720
Weight	200
Height of the seat (mm)	480 x 690
Height of the Table	870 mm
Voltage	230Vac 50 Hz (230Vac 60Hz – 110Vac 60Hz)
Working table voltage	3-12Vac 230Vac 110Vac 50Hz 60Hz
Standards	ISO 9001:2008 - ISO 13485:2012

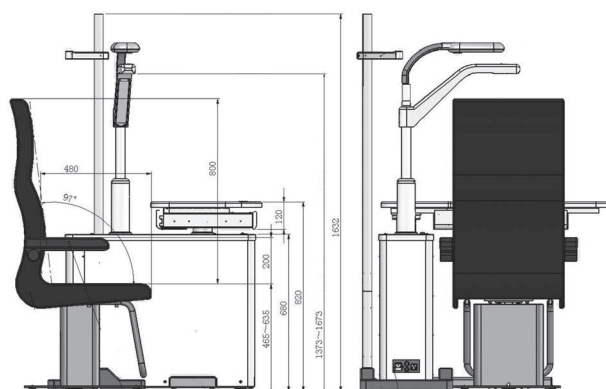
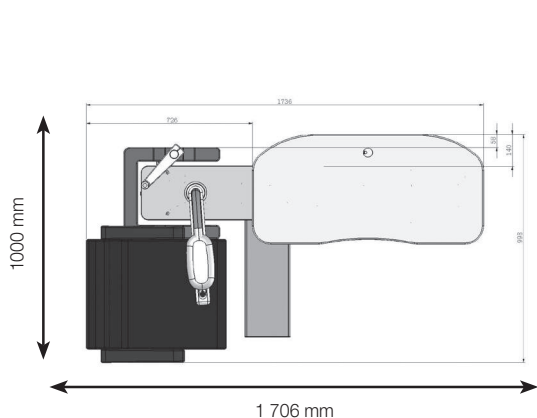
Features	
Back rest inclinasion	-
Armrest	-
Footrest	•
Removable armrest	-
Removable footrest	-
Seat up/down	•
Table up/down	-
Seat backward - Forward	-
Seat rotation	•

Simple and compact unit

Right version only with two instruments table
REF. 8115-1000-00

Features and Benefits

- Ultra compact refraction unit for 2 instruments
- Rotating Retractable tray
- Electric phoropter arm included
- Tray on drawer locker glasses or accessories
- Fixed seat but setting up and down
- Armrests
- Footrest
- Ambient lighting
- Remote control included for activation of the main functions
- Tray with 2 x 220 V for 2 instruments



Technical specifications

General	
Dimensions	1000 x 1706
Weight	250
Height of the seat (mm)	478 to 628
Height of the Table	820 mm
Voltage	230Vac 50 Hz (230Vac 60Hz – 110Vac 60Hz)
Working table voltage	Instrument 1 = 12 V / Instrument 2 = 220 V
Standards	ISO 9001:2008 - ISO 13485:2012

Features	
Back rest inclination	-
Armrest	•
Footrest	•
Removable armrest	•
Removable footrest	-
Table up/down	NA
Seat backward - Forward	-
Seat rotation	•
Seat up/down	•

MOTORIZED TABLES

Individual and V-shaped

Individual Table
REF. 7760018

V-Shaped Table Chair
REF. 7760016

Simple, silent, compact and easy to move, the individual motorized table adapts perfectly additional equipments in all kinds of environment.

Features and Benefits

- Instrument tables with electrical height adjustment
- Individual table for 1 instrument
- V-Shape table for 2 instruments
- Simple and functional
- Ergonomic and easy to install in any environment

Technical specifications

General	
Table Top	W 600 mm x D 400 mm and W 1050 mm x D 440 mm [W-23.6 in D-15.7 in and W-41.3 D-17.3 in]
Height (min)	660 mm (26 in)
Height (max)	880 mm (34.6 in)
Load (max)	70 Kg (154 lbs)
Voltage	230 VAC
Consumption	250 VA
Standards	MDD, CE



Individual table



V-shaped table

CHAIRS

Reclining Chair
REF. 8105-0900-00

Fixed Chair
REF. 7240026

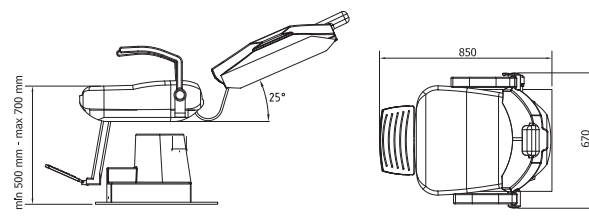
The COMBI chair with electrical movement has been especially built for the patient comfort and has a user-friendly operating mode.

Features and Benefits

- An exceptional rise amplitude to meet all users' requirements
- A silent and robust movement, a direct control from the refraction unit or from a footswitch (in standalone version), Everything is studied for a maximum comfort in the daily use
- A quick movement for a saving time optimization
- Reclining arm-rests & backward /forward movement (manual movement option Ref. 7240030) (or electrical movement with footswitch for standalone version Ref. 7720034) for an optimum patient positioning

Technical specifications

General	
Height mini seat	500 mm [19.7 in]
Height maxi seat	700 mm [27.6 in]
Reclining (7240027)	65°
Load (max)	130 Kg (286 lbs)
Voltage	230 VAC
Weight	50 Kg (110 lbs)
Standards	CE



Floor stand with manual phoropter arm

Right Hand Version
REF. 8105-8024-00

Left Hand Version
REF. 8105-8025-00



FEATURES AND BENEFITS

Compact set for small spaces

- Phoropter arm
- Simple and functional
- Easily assembled
- Floor space inferior to 1 m²

Refraction units options



REF. 8115-8200-01

Automatic phoropter arm right VX2000

REF. 8115-8200-02

Automatic phoropter arm left VX2000



REF. 7060017

Counter balanced phoropter right arm

REF. 7060025

Counter balanced phoropter left arm



REF. 8115-8003-00

Combo drawer (4 drawers)



REF. 8115-8000-01

Desk left hand

REF. 8115-8300-01

Automatic phoropter arm right VX3000

REF. 8115-8300-02

Automatic phoropter arm left VX3000



REF. 7720034

Electrical backward/forward movement for wheel chair access

REF. 7240030

Manual backward/forward movement for wheel chair access



REF. 8105-8200-00

VX2000H - VX3000H only
180° rotation for wheel chair access



REF. 8105-8003-00

Trial lens tray for large trial lens set (232 lenses)



REF. 8115-8001-00 Heine

REF. 8115-8002-00 Welch

Charger for hand-held instruments Heine / Welch Allyn

Refraction units features and options

	VX1000	VX1100	VX2000 VX2000 H	VX3000 VX3000H	Combi 400	Combi 7000 - 5500
Control panel with buttons		•			•	•
Control panel with LCD screen			•	•		
Variable lightening		•				
Screed lock mechanical system		•				
Screed lock electro-mechanical system			•	•	•	•
Projector support		•	•	•	•	•
Electric elevation of chair		•	•	•	•	•
Seat rotation	•	•	•	•	•	•
Electric arm	included					
Inclination of back-rest			•	•	•	•
Removable foot rest			•	•	•	•
Removable arm rest	•		•	•	•	•
Number of instruments	2	2	2	3	3	4
Additional furnish with drawers			•	•	•	•

	Reference	VX1000	VX1100	VX2000 VX2000 H	VX3000	Combi 400	Combi 7000 - 5500
Counter balanced Phoropter right Arm	7060017		•	•	•	•	
Counter balanced Phoropter left Arm	7060025		•	•	•	•	
Automatic phoropter arm right VX2000	8115-8200-01			•			
Automatic phoropter arm left VX2000	8115-8200-02			•			
Automatic phoropter arm Right VX3000	8115-8300-01				•		
Automatic phoropter arm left VX3000	8115-8300-02				•		
Electrical backward/forward movment for chair	7720034			•	•		•
Manual backward/forward chair movement	7240030			•	•		•
Trial lens tray	8105-8003-00			•	•	•	•
Hand instruments recharge heine	8115-8001-00		•	•	•		
Hand instruments recharge welch allyn	8115-8002-00			•	•	•	
Wheel chair access (castor version)	8105-8200-00			• (only H version)	• (only H version)		
Desk			•	•	•	•	•
Combo drawer	8115-8003-00		•	•	•	•	•

The solution for refraction Data sharing between instruments

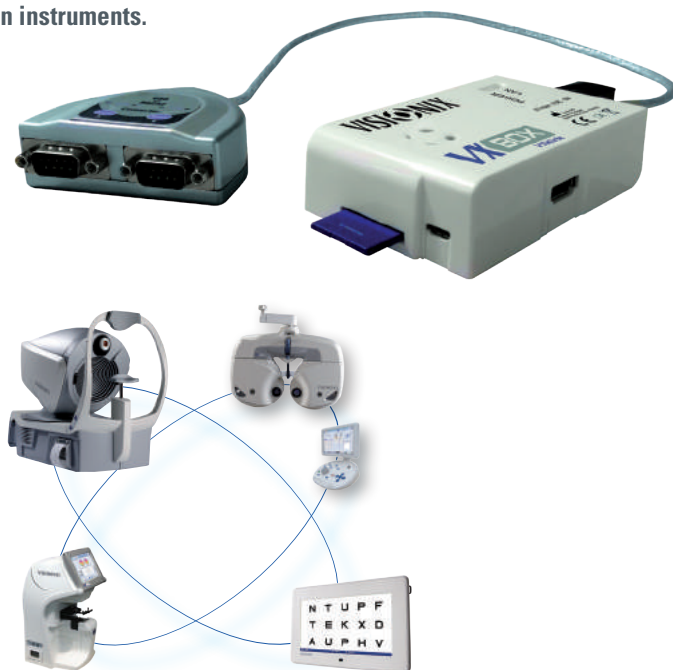
REF. 8216-1001-00

VXBox allows you to share easily the refraction data between refraction instruments.

FEATURES AND BENEFITS

Features

- VXBOX is Wi-Fi, LAN, RS232
- Wi-Fi for refraction data sharing between instruments
- LAN for import / export data to EMR or store network
- Share this data on the Store or Practice network for EMR, EHR access
- Setting of the box through local web interface, accessible from PC, Mac, Tablett with simple web browser
- Easier Integration with EMR Software by sharing XML file (import and export)
- For further information consult us



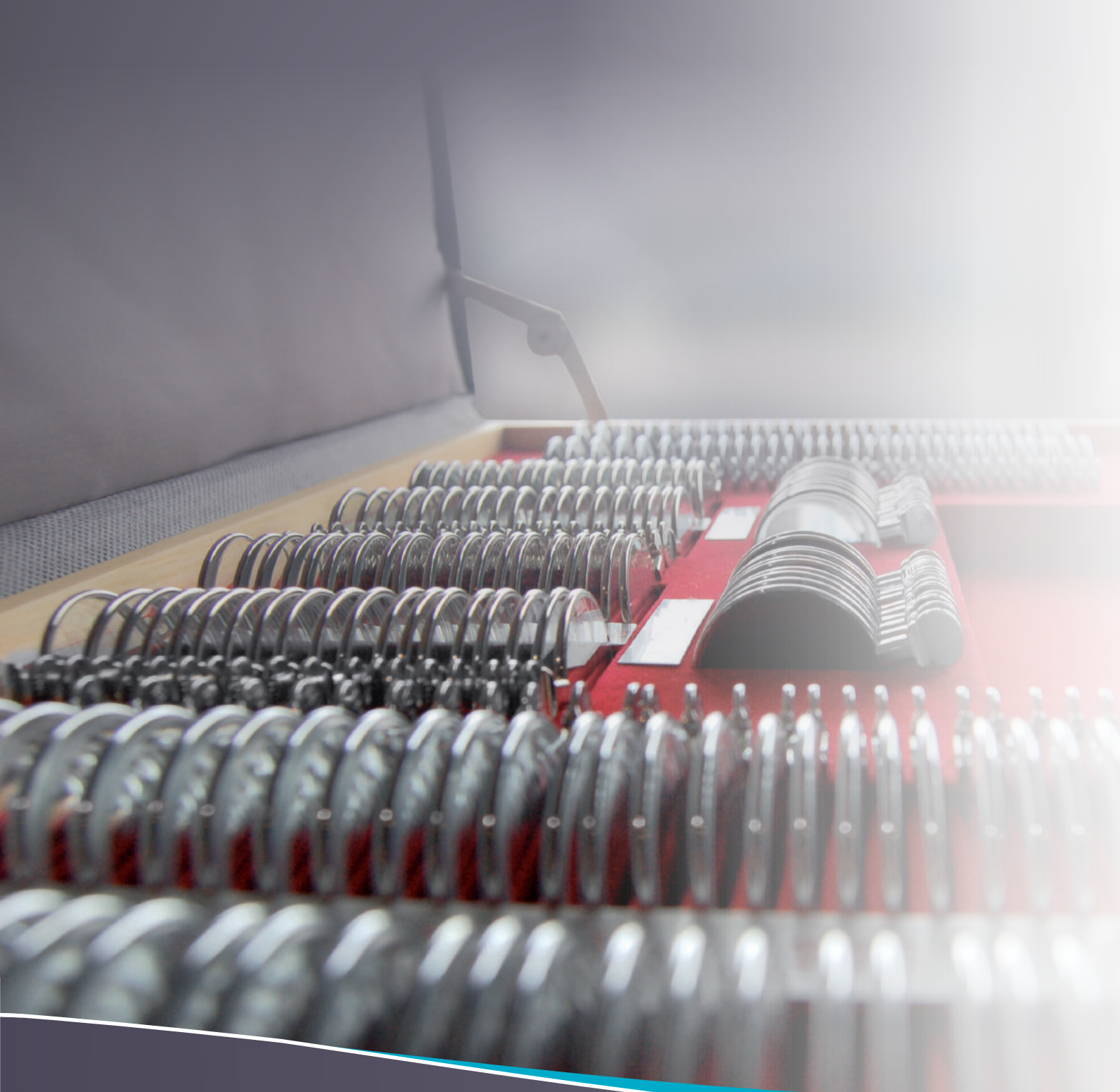
Connections

			VisionPro	PC	VX60	VXBOX
Lensmeters	VX40	wireless	8250-8004-00	8250-8004-00	8250-8004-00	WLAN Stick 8230-8040-10
		wired	8250-8001-00	8250-8001-00	8250-8001-00	8250-8001-00
	VX35	wireless	8250-8004-00 +8250-8040-05	8250-8004-00 +8250-8040-05	8250-8004-00 +8250-8040-05	NA
		wired	130294	130294	130294	130294
Diagnostic-ARK	VX120	wireless	8250-8005-00	8250-8005-00	8250-8005-00	WLAN integriert in VX BOX
		wired	8250-8001-00	8250-8001-00	8250-8001-00	8250-8001-00
	VX100	wireless	NA	included	NA	NA
		wired	NA	5 m : 129946 15 m : 129945	NA	NA
	L67	wireless	8250-8002-00	8250-8002-00	8250-8002-00	NA
		wired	8250-8003-00	8250-8001-00	8250-8003-00	8250-8003-00
	L78, 79, 80 (Ref & Ker)	wireless	8250-8005-00	8250-8005-00	8250-8005-00	NA
		wired	8250-8001-00	8250-8001-00	8250-8001-00	8250-8001-00
Chart displays	VX22 / VX19	wireless	7195107	NA	7195107	WLAN
		wired	8250-8001-00	NA	8250-8001-00	NA
	VXBOX	wireless	NA	WLAN	NA	
		wired	NA	LAN	NA	

VISIONIX
The Vision of the Future

Range

Accessories



Refraction Trial lenses sets



Ref. 7190022 Standard serie, metal rings



Ref. 7190051 Large serie, metal rings



REF. 7190023 Standard serie, plastic rings



REF. 7190021 Large serie, plastic rings

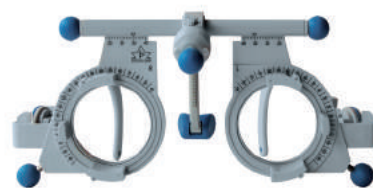
Trial frames



REF. 7190027 Universal Oculus frame



REF. 7190025 Simple OCULUS trial frame



REF. 7190028 UB4 universal trial frame



REF. 7190026 Deluxe trial frame

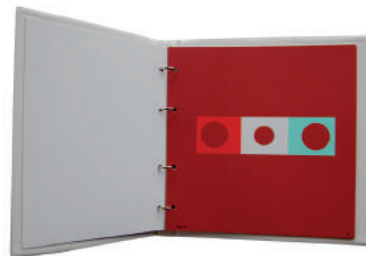


REF. 7190024 Children OCULUS trial frame

Stereoscopic tests



REF. 7190038 Stereoscopic tests* fly / wirt's test (+ polarized frame)



REF. 8630-1581-78 TNO test (7 charts + red green google)



REF. 7190041 Stereoscopic tests* lang's test 1



REF. 7190042 Stereoscopic tests* lang's test 2



REF. 7190048 Stereotest polaroid frame



REF. 8630-1418-95 Randot stereo test



REF. 8630-1569-06 Frisby stereo test

Worth Test



REF. 8630-1242-57 Near Vision Worth test

Refraction Near vision tests



REF. 7190017 Parinaud set with 3 near vision tests



REF. 7190019 Rossano-Weiss tests for children

Far vision tests

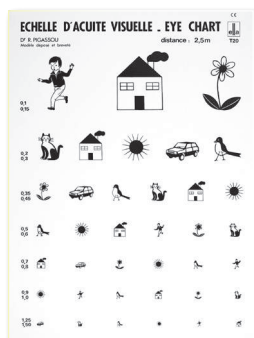


REF. 7190050 Snellen far vision tests letters



REF. 7190011 Snellen far vision tests trident

Trial frames



REF. 7190014 Pigassou far vision test for children



REF. 8630-1329-66 Thibaudet test



REF. 7190013 Distance test Rossano

Comparison



REF. 7190029 Confirmation tests Metal rings ± 0.25 dpt



REF. 7190030 Confirmation tests Metal rings ± 0.25 dpt



REF. 7190031 Jackson cross cylinders metal rings ± 0.25 dpt



REF. 7190032 Jackson cross cylinders metal rings ± 0.50 dpts

Occluders



REF. 7190039 White plastic occluder



REF. 8630-1139-05 Black plastic occluder



REF. 8630-1141-54 Red lens with plain handle



REF. 7190040 Red multiple maddox rod



REF. 8630-1650-10 Translucent Spielmann occluder

Goggles



REF. 7190037 Bagolini glasses



REF. 7190046 Red green goggles strictly complementary colors



REF. 8630-1740-33 Diplopia goggles

Colors tests

Farnsworth's colors tests



REF. 8630-1299-41 15D Farnsworth test



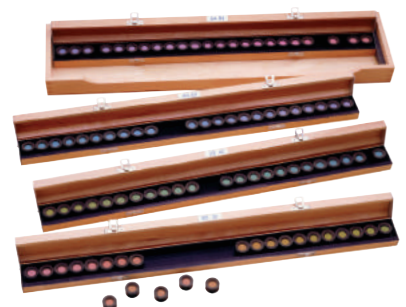
REF. 7190035 Farnsworth 15HUE desaturated



REF. 8630-1429-05 Farnsworth 28HUE



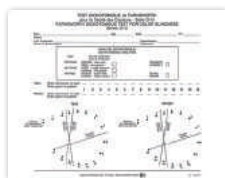
REF. 8630-1269-77 Farnsworth 40HUE



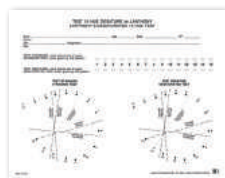
REF. 8630-1706-66 Farnsworth 100HUE

Colors tests

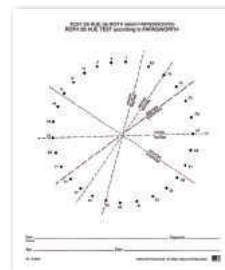
Farnsworth's colors tests



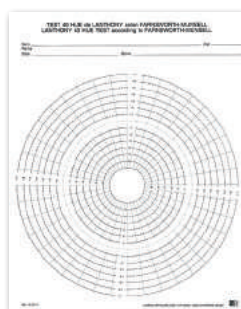
REF. 8630-1387-54 Charts for 15D test pad of 100



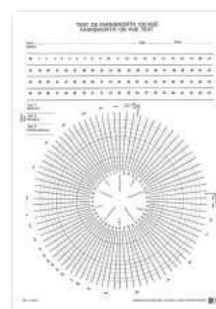
REF. 8630-1459-20 100 charts for DESA 15HUE test



REF. 8630-1586-90 100 charts for 28 HUE test

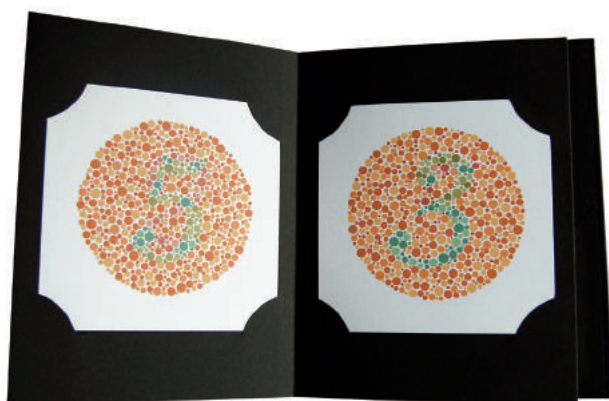


REF. 8630-1013-11 100 Charts for Lanthony 40HUE

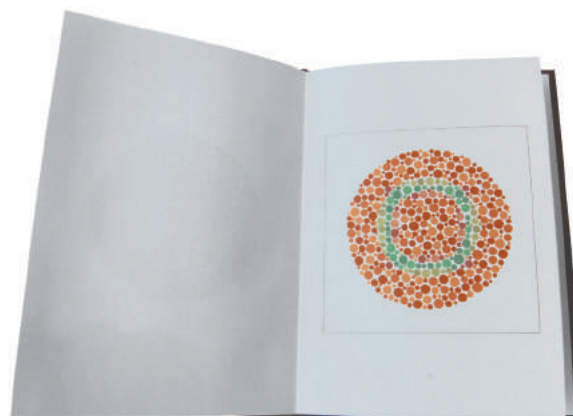


REF. 8630-1238-97 100 charts for 100HUE test

Ishihara tests

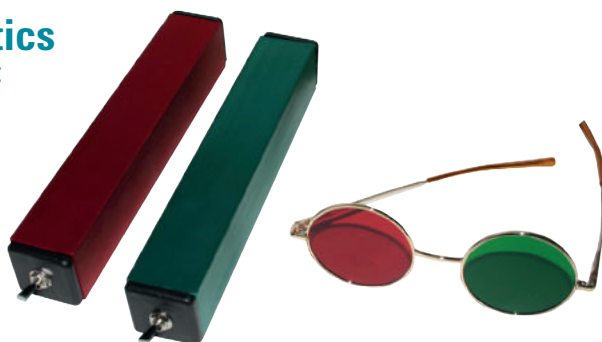


REF. 7190033 38 plates



REF. 7190034 10 plates (children, geometric drawing)

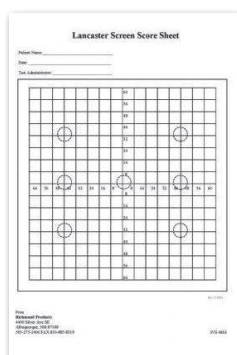
Orthoptics Equipment



REF. 8630-8001-00 Lancaster test
(plastic mat screen 140x140 cm, red-green frame, 100 slides,
flashlight, electrical bulb and transformer 110/220V)



REF. 8630-1699-04 HEISS-WEISS Flashlight, screen, schemes, user manual



REF. 8630-8004-00
Lancaster charts x pad of 50



REF. CC 2002 179698
Synoptophore Auto Flashing



REF. CC 2003 162124
Synoptophore Manual Flashing



REF. 8630-8004-00
Mire/Tests 12 couples of tests



REF. 160002 Mire/Tests 20 couples of tests

Prisms



REF. 8630-1222-89

Box of 16 square prisms (0.5 to 50 dpt)



REF. 8630-1200-14

Box of 22 square prisms (0.5 to 50 dpt)



REF. 7190047 Prism bar box incl. horizontal and vertical prism bar and two additional prisms of 45 and 30 diopters



REF. 8630-1612-51 Horizontal prism bar (45 dpt)

REF. 8630-1612-53 Vertical prism bar (30 dpt)



REF. 8630-1612-10

Set of 22 universal prisms



REF. 8630-1612-14

Set of 4 prisms + red filter



REF. 8630-1612-20

Set of 16 universal prisms



REF. 8630-1722-35

Set of 8 prisms + Red filter

Ophtalmoscopy-Skiascopy



REF. 122084

Retinoscopy racks 16 large diameter lenses (16 mm) 32 powers

Measures and diagnostic



REF. 8630-8002-00

Luedde exophthalmometer, plastic and graduated, without parallax

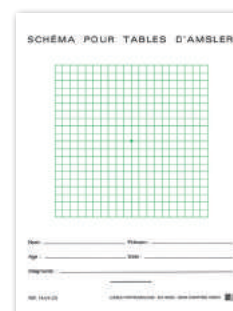


REF. 8630-1490-29 Aesthesiometer 12/100

Perimetry



REF. 8630-1673-71 Amsler charts



REF. 8630-1404-22 Pad of 100 charts for Amsler tables

Spare Parts And Consumables

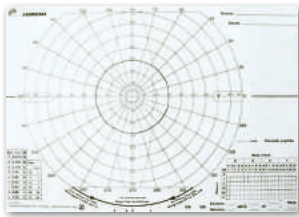


Perimetry



REF. 8630-1510-26

Bulb for Goldmann perimeter



REF. 8630-1510-21

Goldmann patterns x 100



REF. 8630-1221-01

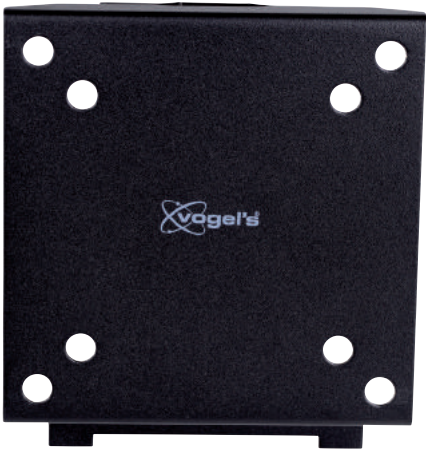
Schirmer strips, box of 100 pairs, sterile

Chart displays



REF. 8230-8041-00

Remote control for L40 17NG/22P channel A +VX19/VX24/VX22



REF. 8230-5041-07 Wall support for L40



REF. 8229-5007-00 Bulb for L29

Slit Lamps



REF. 8630-1350-91

Bulb for Slit lamp 900/930



REF. 40255713

Bulb RO 3000-4000-5000



REF. 8630-1350-92

Towels chinrests for slit lamps and Javal



REF. 8475-8000-00

Tonometer VX75/85



REF. 8475-8002-00

Tonometer holder VX75/85



REF. 8480-8000-00

Tonometer VX80



REF. 8480-8003-00

Tonometer holder VX80



REF. 147124 Sterile tonometer cones (100 units)



REF. 8630-1471-30 Reusable tonometer cone

Chart projector



REF. 8229-5008-00 Bulb L29I

Lensmeters



REF. 0011-1011-00
Self - inker pen, red for VL3000



REF. 3006-9216-00
Printer paper for VL3000



REF. 8231-5025-00
Lens holder VL1000



REF. 8231-8009-00 Self - inker pen for VL1000 / VX35



REF. 4100-0104-00 Printer Paper for VX35 Widht 32 mm



REF. 8235-5002-00
Self - inker pen for VX 35



REF. 8601-5043-00
Self - inker pen for ML100



REF. 8601-5052-00
Self-inker pen for ML100

ARK



REF. 3011-4049-00

Protection against dust L80/L79/L78



REF. 3011-6000-00

Accessories-Kit L80/L79/L78



REF. 4100-0014-00

Chin rest towels VX120/ L80/L79/L78
1000 pieces



REF. 3006-9216-00

Printer paper for L80/L79/ L78



REF. 4100-0104-00

Printer paper for VX120 and VX40 Width 32 mm

VISIONIX

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