Catalogue

VISIONIX

The Vision of the Future

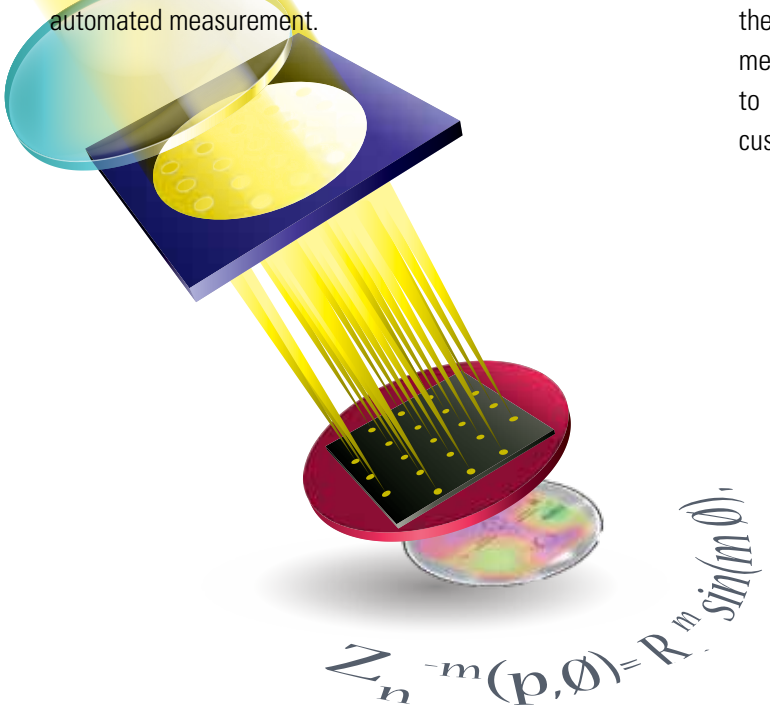
Instruments for refraction and diagnosis

MARC ABITBOL, LUNEAU TECHNOLOGY PHD PRESIDENT AND CEO

A pioneer in wavefront technology for the optical industry, Luneau Technology manufactures and distributes products under the Briot, Weco, and Visionix brands. Our goal is to allow access to innovative technology for everyone. The Luneau Technology Group is a global company consisting of 11 wholly owned subsidiaries and over 170 distributors worldwide with state of the art production facilities based in France and Israel.

Visionix has been an innovator in ophthalmic diagnostics for over 20 years, with more patents in wavefront technology than any other company in the world and over 10,000 wavefront diagnostic instruments installed in the field.

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



$$Z_n^{-m}(\rho,\theta) = R_n^m \cdot \sin(m\theta)$$

VX130+ combines state-of-the-art technologies (SCHEIMPFLUG SCAN CAMERA, NON-CONTACT TONOMETRY, ABERROMETRY, CORNEAL TOPOGRAPHY) and provides essentiel data for an improved treatment of patients, regardless of their condition and ocular history. With fully automated measurement yhe VX130+ is the ideal patient monitoring system.

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

Eyerefract features a binocular and dynamic measurement of refraction using Wave Front technology. A dual Aberrometer utilizes a unique and innovative technology which couples an automatic refraction measurement and a simultaneous iterative lens adjustment. This instrument has revolutionized the practice of refraction offering quick, accurate, and reliable measurements. Eye Refract allows eye care professionals to optimize time spent with patients by offering a highly customized experience with an exceptional prescription.

POWER MAP inside

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.

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.

Index

EYE REFRACT™

Tomorrow's Vision Today

REVOLUTIONARY REFRACTION TECHNOLOGY

VISIONIX

The Vision of the Future

REDEFINING REFRACTION

Eye Refract features a dual Aberrometer that utilizes a unique and innovative technology which couples an automatic refraction measurement and a simultaneous iterative lens adjustment. This instrument has revolutionized the practice of refraction offering quick, accurate, and reliable measurements. Eye Refract allows eye care professionals to optimize time spent with patients by offering a highly customized experience with an exceptionally accurate prescription.

THE FULL CONCEPT:

Fully Automatic:
Eye Tracking, Auto-Focusing

Distance and Near
Vision Measurement

Controlled Wirelessly
via Tablet Interface

PERFECT VISUAL ACUITY IN LESS THAN 3 MINUTES

BEFORE EYE REFRACT
The average time of a standard refraction is 8 to 10 minutes

WITH EYE-REFRACT
Achieve binocular refraction in just 3 minutes

Less dedicated time for refraction, more time to interact with your patients

MORE ACCURATE PRESCRIPTION

BEFORE EYE REFRACT
Subjective answers of the patient, uncertainty of the results

WITH EYE-REFRACT
Real time lens adjustment based on patient brain reactions

Accurate and reliable prescriptions offer maximum comfort in less time to the patient

TIME SAVINGS

BEFORE EYE REFRACT
Longer waiting times for patients

WITH EYE-REFRACT
Drastic reduction in waiting time

The ultimate efficiency for your practice

WAVEFRONT TECHNOLOGY

VISIONIX HAS DEVELOPED A NEW METHOD OF REFRACTION

Eye Refract features two Shack-Hartmann sensors running simultaneously to provide real time binocular refraction. These sensors combined with the phoropter head allow Eye Refract to automatically correct visual defects.

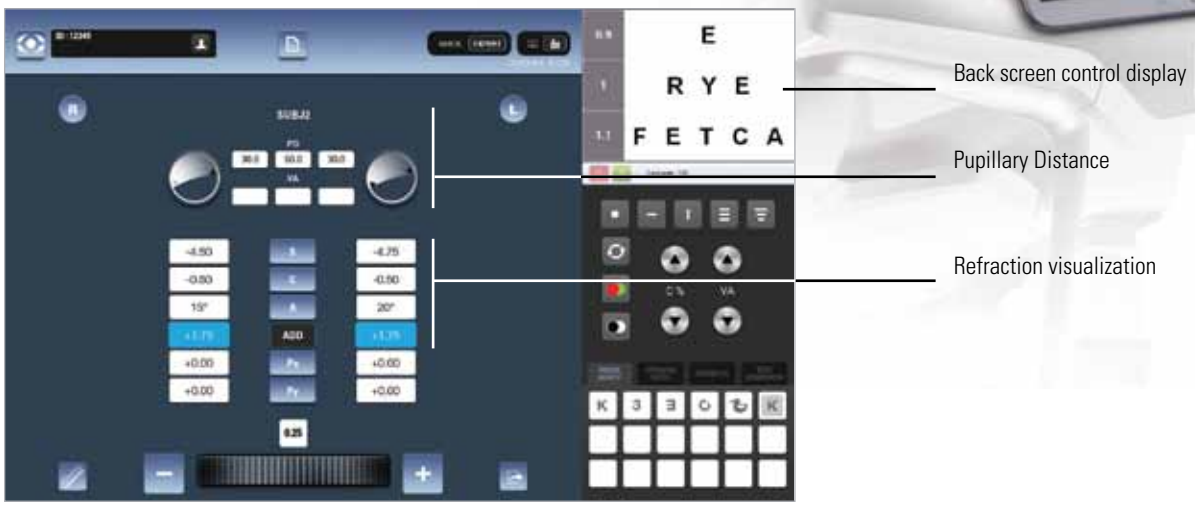
Eye Refract is based on patented Wavefront Technology developed by Visionix®.

Wavefront technology offers measurement of the eye at thousands of points whereas traditional technologies measure a singular point or a just a few points.

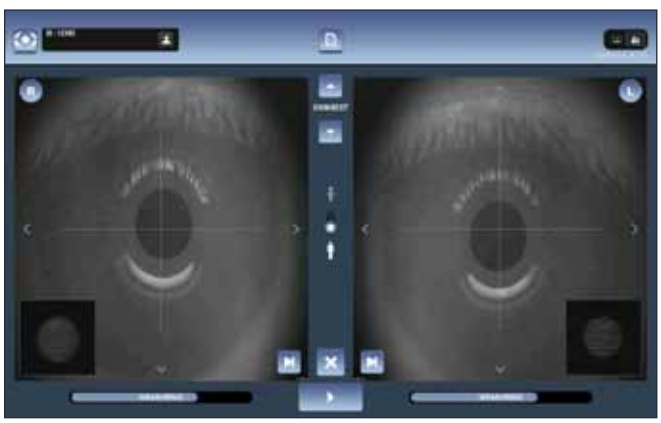
Visionix® patented a method which miniaturized this technology. This process enabled incorporation of a one-of-a-kind dual aberrometer system found in the Eye Refract. This allows binocular refraction in a real-time, producing exceptional accuracy.

WIFI ENABLED TABLET REMOTE

Eye Refract is controlled by a tablet giving the operator freedom of movement



Near vision refraction screen



Measurement

Refraction screen, filters, accessories

THE TECHNOLOGY OF TOMORROW IS AVAILABLE TODAY

BINOCULAR VISION

EyeRefract allows you to perform a precise and repeatable dynamic binocular refraction in less than 3 minutes.

NEAR VISION MEASUREMENT

True addition takes into account real distance results with a maxium comfort for your patients.

AUTOMATIC MEASUREMENT

Easy-to-use refractive instrument featuring highly repeatable results independent of operator, patient, or methods used.

ULTRA FAST PROCESS TECHNOLOGY FEATURING:

Featured Technology:
Auto-focus, Auto-tracking, simultaneous measurement. Both measurement and refraction verification occur at the same time.
Fully connectivity and data transfer (VX40, VX 24, PC).

> More Natural Measurement
> Quick Process for Maximum Patient Comfort and Time Savings
> Highly Accurate Prescriptions

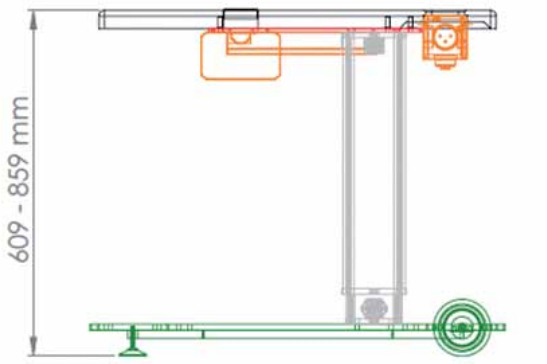
TECHNICAL SPECIFICATIONS

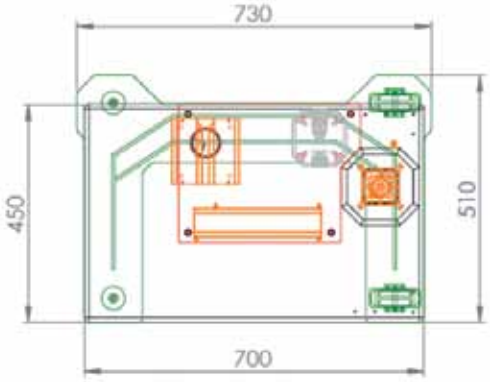
Height	490 mm (19,3 in)
Width	290 mm (11,4 in)
Depth	470 mm (18,5 in)
Weight	25 kg (55 lbs)
Power	100-240 V CA, 50/60 Hz, 300W

Height	609 to 859 mm
Width	700 mm
Depth	609 mm
Weight	36 Kg
Power	100/120, 220/240 V AC, 50/60 Hz

EYEREFRACT

Output	• RS232 / USB2.0 / VGA / LAN
Hardware	Tablet.....Android Chinrest.....Electrical Near Vision Target.....250-700 mm Mini tablet 7" Head.....Autofocus, autocentering
Range	Sph .....-30,00D to +27,25D Sph step .....0,125 / 0,25 / 0,50 / 1 D Cyl.....-6,00 to +6,00 D Cyl step .....0,25 / 0,50 / 1 D Optical axis .....0 to 180° Axis step .....1° / 5° / 10° / 45° Prisms.....0 to 20 D
Ref.	8160-0001-00
Power	4 x 220 V / 2 USB
Maximum weight on the table	35 Kg
Configuration	2 wheels for a total mobility Connection for a VX BOX Cables orientation System





VX 130+
Diagnostic

COMPREHENSIVE COMPLETE ANTERIOR SEGMENT ANALYSIS

VISIONIX
The Vision of the Future

VX130+

Glaucoma risk

Cataracts

Keratoconus risk

Post-op follow-up

THE POWER OF THREE

THE VX130+ IS THE ONLY INSTRUMENT WHICH FEATURES SHACK-HARTMANN WAVEFRONT ABERROMETRY, SCHEIMPFLUG CORNEAL TOMOGRAPHY AND PLACIDO RING CORNEAL TOPOGRAPHY COMBINED IN A SINGLE INSTRUMENT. GIVING YOU THE MOST COMPREHENSIVE AND ACCURATE ANTERIOR SEGMENT ANALYSIS AVAILABLE TODAY. ALONG WITH PATENTED POWERMAP® WAVEFRONT TECHNOLOGY AND A FULLY AUTOMATED OPERATOR INTERFACE, THE VX130+ WILL TRANSFORM YOUR CLINICAL MANAGEMENT AND PATIENT EXPERIENCE.

GLAUCOMA IDENTIFICATION AND MONITORING

> Anterior chamber analysis
> Automatic measurement of irido-corneal angles
> Measurement of the anterior chamber volume
> Measurement og the depth of the anterior chamber
> Measurement of IOP (intraocular pressure)
> Measurement of corneal thickness
> Corrected IOP as a function of corneal thickness

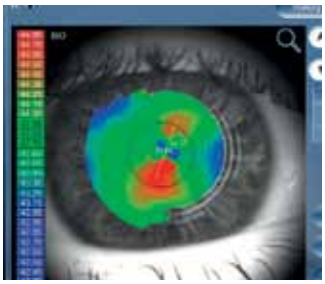
Anterior chamber analysis

Corrected IOP as a function of corneal thickness

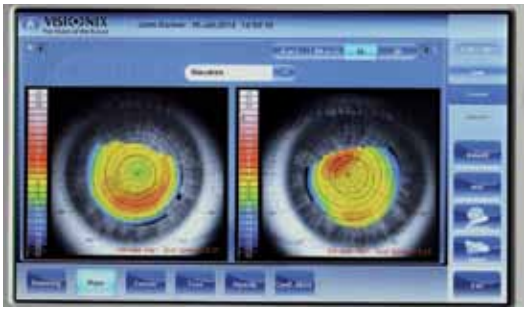
SCHEIMPFLUG IMAGING | **NON-CONTACT TONOMETRY**

KERATOCONUS IDENTIFICATION AND MONITORING

Topography maps
> Axial, Tangential, Elevation and refraction maps
> Keratoconus probability index (KPI)
> Keratoconus monitoring including
> Internal astigmatism measurement
> Eccentricity and meridian table
> Corneal aberrometry
> Measurement of total refractive power of the eye including anterior and posterior surface of the cornea
> Visualization of the anterior and posterior aspect of the cornea
> Anterior / posterior elevation map of the cornea



Eccentricity table



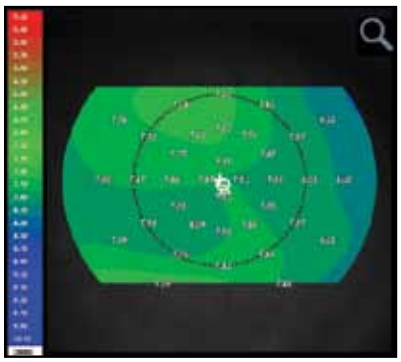
PLACIDO DISK | SCHEIMPFLUG IMAGING | SHACK-HARTMANN

PATIENTS IDENTIFICATION FOR CATARACT SURGERY

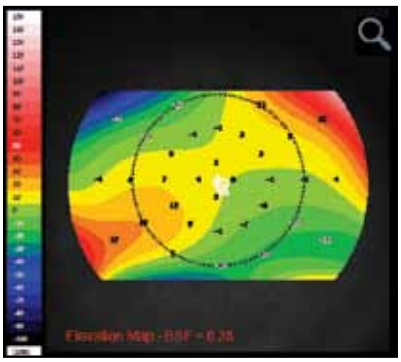
TOPOGRAPHY OF THE ANTERIOR AND POSTERIOR SURFACES OF THE CORNEA

Complete analysis of the cornea
> Corneal thickness map
> Elevation maps
> Anterior and posterior axial, tangential, 3D maps
> Anterior and posterior keratometry, eccentricity
> Kappa angle

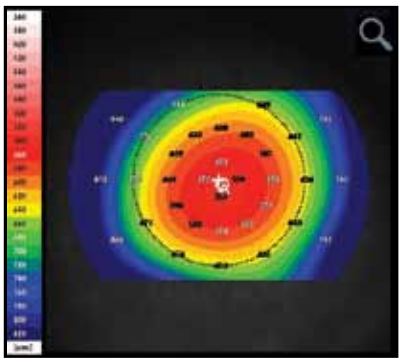
Combination of data obtained by the Scheimpflug camera and corneal topography data, thickness maps and elevation maps can be obtained on a broad corneal surface.



Axial elevation map



Posterior elevation map

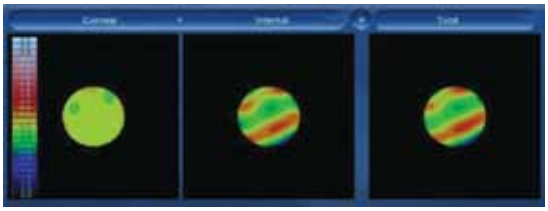


Total refraction elevation map

SCHEIMPFLUG IMAGING | RETRO ILLUMINATION | SHACK-HARTMANN | PLACIDO DISK

PRE-OP CATARACT SURGERY

> Visualization of crystalline opacities
> Analysis of wavefront aberrations, with the ability to separate corneal and lenticular/internal aberrations
> Internal astigmatism measurement
> Kappa angle for IOL centration
> Z.4.0 value for aspheric implant
> Lens opacities classification (Locs scale II and III)
> IOL premium patient candidate identification and monitoring
- Aspheric or Spheric IOL choice
- Multifocal
- Toric
- Multifocal toric



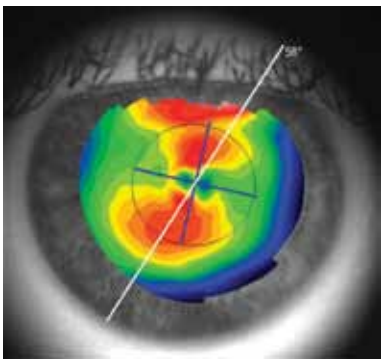
Analyse of wavefront aberrations

Crystalline opacities and locs scale II and III

POST-OP CATARACT SURGERY

> Contrôle d'implants intraoculaires en post-opératoire
> Contrôle de l'axage in vivo de l'implant torique
> Analysis of post op output to improve surgery protocol
> Analysis of the total correction inclusiv IOL

> Contrôle d'implants intraoculaires en post-opératoire
> Contrôle de l'axage in vivo de l'implant torique
> Détermination de l'axe de référence



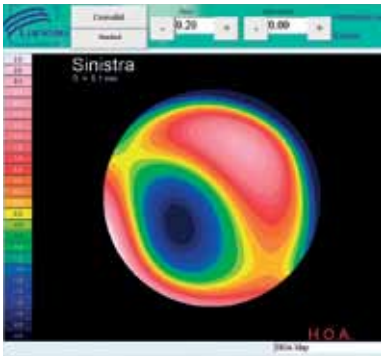
Axis alignment check of the toric lens implant

SCHEIMPFLUG IMAGING | RETRO ILLUMINATION | SHACK-HARTMANN | PLACIDO DISK

VX130+

COMPLETE REFRACTION
DIFFERENCIATION BETWEEN NIGHT AND DAY VISION

> Night and day objective refraction measurement
> 1200 points of analysis for a pupil of 7 mm in diameter
> Objective refraction under mesopic and photopic conditions
> Measures lower-order and higher-order aberrations
> Access visual acuity and quality of vision from a pupil diameter as small as 1.2 mm
> MTF curve



Shack-Hartmann lower-order and higher-order aberrations

Summarize screen with night and day vision on the top

Night and day objective refraction measurement

SHACK-HARTMANN

VX130+

Height	570 mm (22.44 in)
Width	312 mm (12.28 in)
Depth	530 mm (20.87 in)
Weight	25 kg (55.11 lbs)
Voltage	100-240 V AC, 50/60 Hz, 300 W

VX130+ Diagnostic

TECHNICAL SPECIFICATIONS

PACHYMETRY, IC (IRIDO CORNEAL) ANGLE AND PUPILLOMETRY

Method	• Continuous vertical scan with the Scheimpflug camera
Pachymeter measuring range	• 150-1300 µm
Pachymeter resolution	• +/- 10 microns
IC angle measuring range	• 0°-60°
IC resolution	• 0.1°
Pupil illumination	• Blue light 455 nm

RETRO ILLUMINATION

CORNEAL TOPOGRAPHY BY SPECULAR REFLECTION

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 0.75 mm to more than 10 mm
Diopters measured field	• From 37,5 to 56 D
Repeatability	• 0.02 D
Method	• Placido rings

TONOMETER

Measurement range	• 7 mmHg to 44 mmHg

GENERAL

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
Medical directive	• EC MDD 93/42/EC modified by directive 2007/47/EC
Output	• RS232 / USB / VGA / LAN

POWER MAPPING AND REFRACTION

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 zones)
Number of measuring points	• 1,500 points
Acquisition time	• 0.2 sec
Method	• Shack-Hartmann

RANGE VX120+ - VX118 - VX110 - VX90 - L67

REFRACTION VISION ANALYSIS, AND DIAGNOSIS OF THE ANTERIOR CHAMBER

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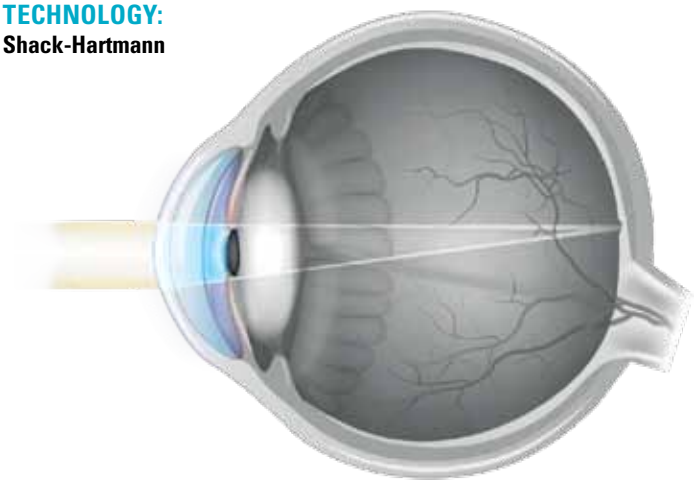
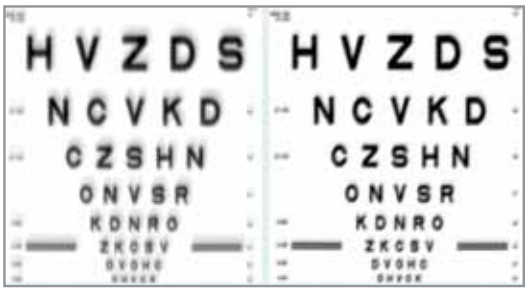
COMPREHENSIVE VISUAL ASSESSMENT IN UNDER 90 SECONDS.

COMPLETE REFRACTION DIFFERENTIATE BETWEEN DAY AND NIGHT VISION NEEDS

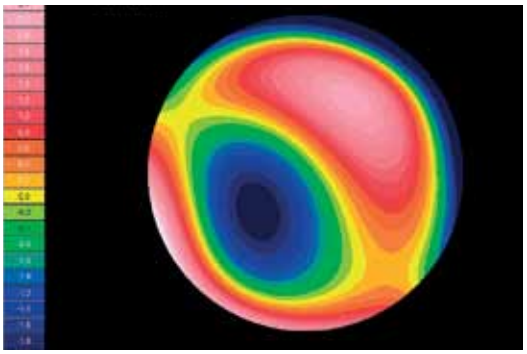
> Objective day and night refraction measurements
> 1200 points points analyzed for a 7-mm diameter pupil
> Objective refraction under mesopic and photopic conditions
> Measures lower-order and higher-order aberrations
> Access visual acuity and quality of vision on a pupil as small as 1.2 mm
> MTF curve

TECHNOLOGY:
Shack-Hartmann





Simulations of visual acuity



Wavefront maps

Main screen

Analysis of aberrations with Zernike coefficients

The VX 120 is a unique, complete, and fully automatic diagnostic screening device. The VX 120 features variations of refraction, screening for glaucoma, cataracts, corneal pathologies such as keratoconus, and fitting of contact lenses with integrated topography. The combination of technologies found in the VX 120 are unique in the industry. (aberrometry, tonometry, topography, Scheimpflug imaging, etc.) With full integration in mind, the VX 120 is designed to be able to export measurements and findings and archive your data using WiFi, USB key, office networks, and EMR.

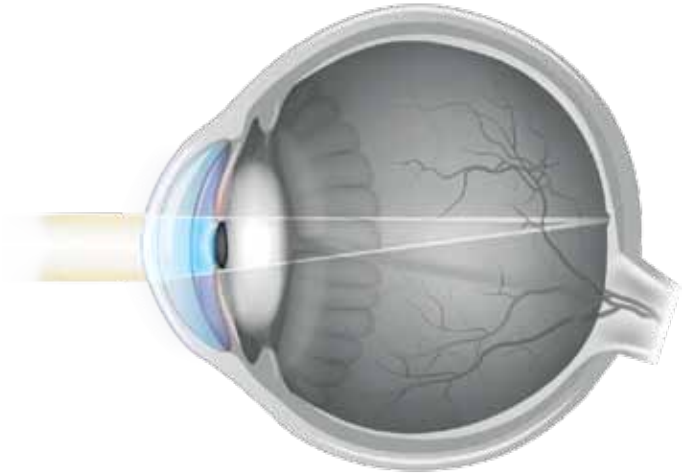
GLAUCOMA IDENTIFICATION AND MONITORING

> Anterior chamber analysis
> Automatic measurement of iridocorneal angles
> Measurement of anterior chamber volume
> Measurement of anterior chamber depth
> Measurement of IOP (intraocular pressure)
> Measurement of corneal thickness
> Corrected IOP as a function of corneal thickness

TECHNOLOGY:

Scheimpflug imaging and non contact tonometer with soft air puff.

Non Contact Tonometer



Anterior chamber analysis

Main screen

Tonometry

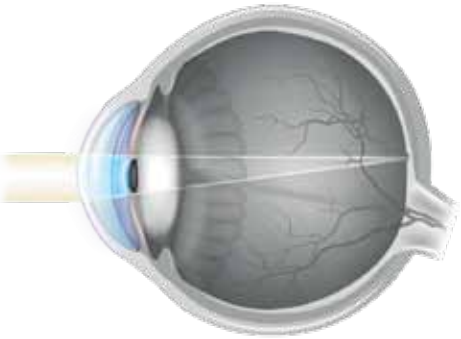
VX120+

CORNEA ANALYSIS

> Contact lenses fitting
> Keratoconus and corneal pathologies
> Pachymetry: measuring the thickness of the cornea

TECHNOLOGY:

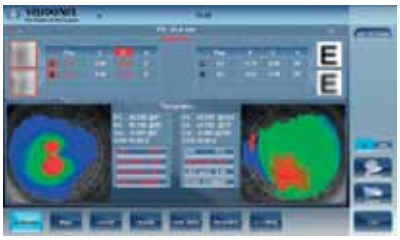
Analysis of the wavefront using the Shack-Hartmann sensor, Placido disk, Scheimpflug camera.



Topography

Main screen

Placido disk - Measurement of corneal curvature radius



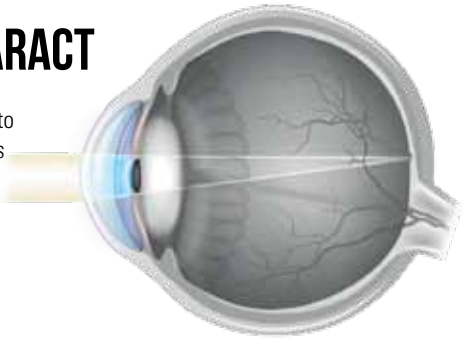
Keratoconus probability

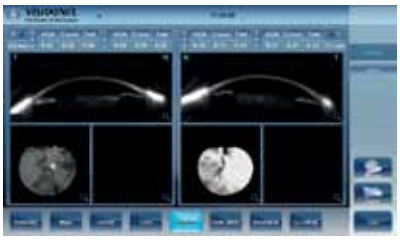
IDENTIFICATION OF A CATARACT

> Visualization of crystalline opacities
> Analysis of wavefront aberrations, with the ability to separate corneal and lenticular/internal aberrations
> Internal astigmatism measurement
> Kappa angle for IOL centering
> Z.4.0 value for aspheric implant
> Lens opacity classification (LOCS II and III scales)

TECHNOLOGY:

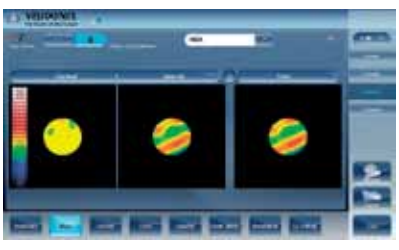
Scheimpflug imaging , Retroillumination, Shack-Hartmann, Placido rings



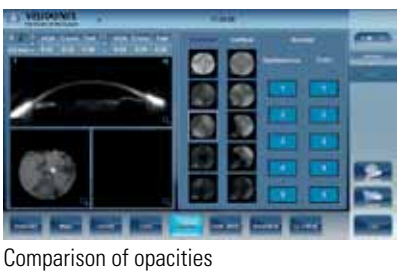


Opacity monitor

Main screen



Analysis of aberrations with dissociation between corneal and ocular aberration



Comparison of opacities

READY FOR THE CONNECTED PRACTICE

The VX120 integrates with your patient management software and provides a variety of communication options to optimize your work flow.
With it you can:

> Review results from any supported device (tablet, smartphone, etc.)
> Print directly from your local or network printer
> Customize your reports
> Synchronize data, graphs, and maps for any examination
> Communication enabled with other instruments

VX120+

GENERAL

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
Medical directive ..... CE MDD 93/42/CE modified
..... by directive 2007/47/CE
Output..... RS232 / USB / VGA / LAN

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 analysis
..... points for pupil of 7 mm
Acquisition time..... 0.2 sec
Method..... Shack-Hartmann

Height	570 mm (22.44 in)
Width	312 mm (12.28 in)
Depth	530 mm (20.87 in)
Weight	25 kg (55.11 lbs)
Voltage	100-240 V AC, 50/60 Hz, 300 W

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

Additional customers benefits
> Quick detection of refraction, higher order aberrations, and warning indications for measurements outside of normal parameters
> Easily transfer patient measurements to the doctor for exam
> A refined and highly accurate refraction due to advanced technology and added features
> Delegation of tasks
> As part of examinations of refraction and detection of high-order aberrations, possible suspicion of pathologies

VX120+ Diagnostic

TECHNICAL DATA

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

RETRO ILLUMINATION

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 0.75 mm to more than 10 mm
Diopters measured field	From 37.5D to 56D
Method	Placido rings

TONOMETER

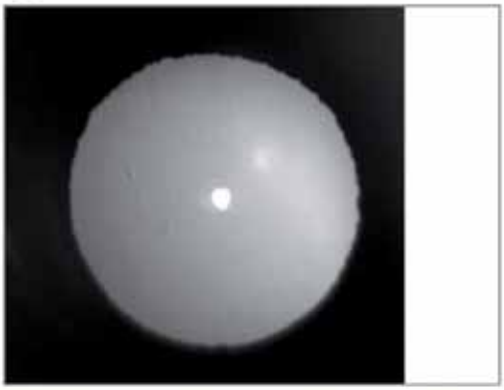
Measurement range	7 mmHg to 44 mmHg

TABLE OF FEATURES / VERSIONS AVAILABLE

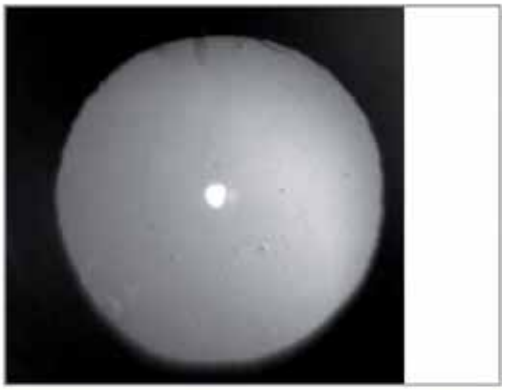
	VX110 Diagnostic	VX118 Diagnostic	VX120+ Diagnostic
Wavefront Technology	•	•	•
Autorefractor / Keratometer	•	•	•
Automated Measurement	•	•	•
Corneal Topography	•	•	•
Corneal Aberrometry	•	•	•
Ocular Aberrometry	•	•	•
Retro-Illumination	•	•	•
Anterior Chamber Analysis		•	•
Pachymetry		•	•
Scheimpflug Imaging		•	•
Non-contact Tonometry			•

http://www.visionix-vx120.com

Right: Retro



Left: Retro



(R) Rx	S	C	A
3.0	-2.06	-3.17	178°
5.0	-2.19	-3.26	178°

(L) Rx	S	C	A
3.0	-2.01	-2.09	176°
5.0	-2.03	-2.17	177°

(R)	SIM-K
K1	7.70 mm@177°
K2	7.25 mm@87°
AVG	7.47 mm@
Cyl	-2.69 D@177°

(L)	SIM-K
K1	7.65 mm@1°
K2	7.31 mm@91°
AVG	7.48 mm@
Cyl	-2.06 D@1°

(R) OcularAPD	Defocus	Astigm.	RMS (µm)	Coma	Astigm. II
Day 3.0	1.13	0.67@88°	1.31	0.04@223°	0.00@66°
Night 6.2	5.11	2.99@88°	5.93	0.32@207°	0.09@93°

(L) OcularAPD	Defocus	Astigm.	RMS (µm)	Coma	Astigm. II
Day 3.0	0.95	0.45@86°	1.05	0.02@339°	0.00@121°
Night 6.5	4.74	2.37@87°	5.32	0.34@330°	0.14@92°

(R) CornealAPD	Defocus	Astigm.	RMS (µm)	Coma	Astigm. II
Day 3.0	0.01	0.67@177°	0.67	0.02@324°	0.01@29°
Night 5.0	-0.32	1.79@178°	1.85	0.21@70°	0.05@83°

(L) OcularAPD	Defocus	Astigm.	RMS (µm)	Coma	Astigm. II
Day 3.0	0.95	0.45@86°	1.05	0.02@339°	0.00@121°
Night 6.5	4.74	2.37@87°	5.32	0.34@330°	0.14@92°

VX90 ARK

AVAILABLE IN JANUARY

ARK WITH AUTO FOG SYSTEM

The VX90 is an ophthalmic diagnostic device with refraction and keratometry functionalities. A moving fixation target with auto fogging allows the patient to fully desaccomodate in order to get the patient refraction in the best conditions.

FEATURES AND BENEFITS

The VX90 is an ophthalmic diagnostic device, intended for:
> Optimal fogging to minimize accommodation for an accurate refraction measurement (Sphere, cylinder and axis)
> Measuring the radius of the cornea
> Measuring the pupillary distance.

And :
> Tiltable LCD
> Alignment Indicators
> Printer: Easy Load Paper and Automatically Cuts
> Motorized Chinrest
> One-Touch Lock
> WIFI connectivity

Measuring the objective refraction
Objective refraction of the eye giving sphere, cylinder and axis.

Measuring the radius of the cornea

Auto fog system

Height	480 mm (18.9 in)
Width	288 mm (11.3 in)
Depth	500 mm (19.7 in)
Weight	14 kg (30 lbs.)

TECHNICAL SPECIFICATIONS

REF.	8290-0001-00
	GENERAL
Target Fixation	Auto fog system
Measurement data display	7" TFT color LCD with touch screen (800x480)
PD Measurement	85 mm measuring range max, 1 mm display unit
Measurement data recording	Built in thermal printer
External output terminal	RS232/WIFI
Power source, power consumption	110V-240V AC, 50/60 Hz, 300W
Standards	Compliance with Medical Device Directive 93/42/EC
	MEASUREMENT SPECIFICATION
Power Range	-20 D to +20 D
Power Accuracy	+/- 0.25 D
Astigmatism range	0 to 10D
Astigmatism accuracy	0.25 D
Axis range	0° to 180°
Axis step	1°
Axis accuracy	+/- 5°
Pupil diameter measured	2 mm minimum
	KERATOMETRY SPECIFICATIONS
Corneal radius range	5 mm to 10 mm
Corneal refractory power	33D to 67D (n=1.3375)
Power repeatability	0.03 mm
Corneal astigmatic power	0 to 12 D
Astigmatism accuracy	0.02D
Axis range	0° to 180°
Axis step	1°
Axis accuracy	+/- 5°
Measurement diameter	2 mm to 12 mm

MULTI POINT ANALYSIS

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.

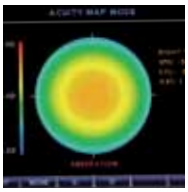
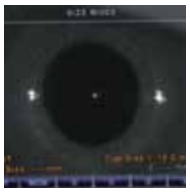
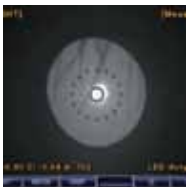
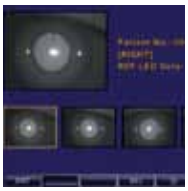
FEATURES AND BENEFITS

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.

Height	432 mm (17 in)
Width	252 mm (9.92 in)
Depth	500 mm (19.7 in)
Weight	20Kgs (44.09 lbs)
Voltage	AC100-240V, 50/60Hz(Free Voltage) 60W

Internal Printer	Thermal Line Printer
Power Saving	Automatic switch off(5min)
Display	6.5" Colour TFT LCD
Memory of Data	10 measurements for each eye
Standards	MDD, CE

TECHNICAL SPECIFICATIONS

REF.	7650035
	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)

VX60-VX55-VX50

PHOROPTERS

—

VISIONIX
The Vision of the Future

AUTOMATIC PHOROPTER WITH ERGONOMIC KEYBOARD

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 ntegrated lighting

See connections on page 78

VX 60 Phoropter

VX 55 Phoropter

HEAD VX55 / VX60

Height	280 mm (11.02 in)
Width	360 mm (14.17 in)
Depth	80 mm (31.50 in)
Weight	3.8 kg (6.61 lbs)
Power	DC 24V 60W

CONTROL PANEL VX60

Height	235 mm (9.25 in)
Width	240 mm (9.45 in)
Depth	230 mm (9.05 in)
Weight	1.8 Kg (2.20 lbs)

TECHNICAL SPECIFICATIONS

Ref.	VX60 8260-0001-00 VX55 8255-0004-00

STANDARD ACCESSORIES

Near vision chart, near vision arm,
forehead rest, mask, power cord.

MEASURABLE RANGE

Sphere	-19.00 to 16.75 D
Cylinder	(increments of 0.25 D / 0.5 D to 3.0 D) 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 / 2Δ)

AUXILIARY LENS

Cross cylinder.....± 0.25 D
Eye cover.....Available
Pinhole.....ø 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 ΔBU / Left eye: 10ΔBI
Refraction distance for near vision.....400 mm
Adjustment range of the forehead rest..12 mm

A DIGITAL PHOROPTER: FEATURING THE SIMPLICITY COMFORT OF A MANUAL REFRACTOR.

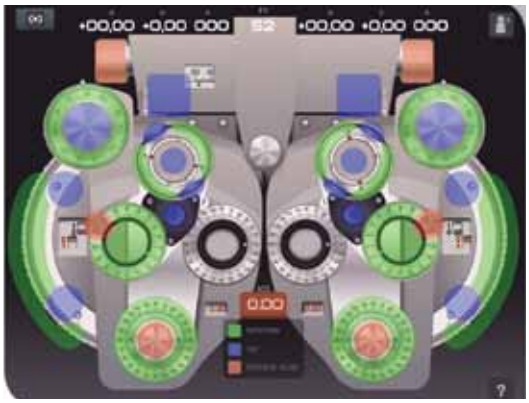
Digitalize your standard refractor, control the entire refraction process from a tablet making refraction quicker and easier than ever before, providing unparalleled performance and exceptional versatility. Keep your refraction habits. The VX55 from Visionix offers effortless efficiency without changing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

A SOUND ERGONOMIC DESIGN

> Freedom of movement.
> VX55 enables Bluetooth wireless communication between the head and the tablet.
> Full control of the digital phoropter.
> Provides technology that will offer your patients the «wow» factor.

EFFICIENT REFRACTION MANAGEMENT

> 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 at the touch of a button.
> Features the ability to memorize two refractions and gather feedback on preference from your patient.



INTUITIVE SOFTWARE AND FUNCTIONS

> Simplicity and comfort of your manual refractor.
> Guided interactive tutorial.

CONTROL THE ENTIRE REFRACTION PROCESS FROM YOUR TABLET WITHOUT CHA
INTERFACE IS DESIGNED TO EMULATE A MANUAL REFRACTOR, GIVING YOU EXCEPT

WITH THE VISIONIX VX55,
ENJOY ELECTRONIC REFRACTION TECHNOLOGY WITHOUT CHANGING THE WAY YOU WORK.

INTUITIVE CONTROL OF THE ACUITY CHART

> The tablet interfaces allows complete control of the acuity chart the tablet shows the optotypes on the screen so you can see what your patient is reading without having to adjust your position.

EMR AND THIRD-PARTY DEVICE INTEGRATION

> Our innovative VXBox facilitates communication with third party devices an EMR. It will also communicate wirelessly with the complete Visionix Refraction Suite.

> Reduces refraction time and can be networked into your EMR system so data is transmitted into patient file with the touch of one button.

NGING THE WAY YOU ARE USE TO DOING THINGS. THE INTUITIVE TOUCH SCREEN TIONAL VERSATILITY AND PERFORMANCE WHILE REDUCING THE LEARNING CURVE.

See connections on page 78

VX50 Manual Phoropter

FOR A COMPLETE SUBJECTIVE REFRACTION

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 postion for near vision with convergence mouvement

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

Height	293 mm (11.5 in)
Width	318 mm (12.51 in)
Depth	96 mm (3.8 in)
Weight	5 kg (11 lbs)

VX 50 Phoropter

TECHNICAL SPECIFICATIONS

	GENERAL
REF..	8250-0001-00
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

VX24 - VX22C- VX19 - L29i

CHART DISPLAYS AND PROJECTOR

VISIONIX
The Vision of the Future

SCREEN WITH DYNAMIC POLARIZATION

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 environement

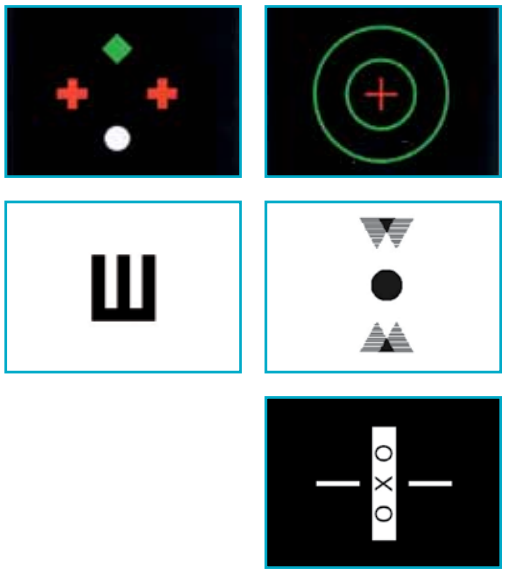
Advanced analysis of the binocular function

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).

Several tests:



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

VX 24 Chart Display

TECHNICAL SPECIFICATIONS

Height	455 mm (17.9 in)
Width	695 mm (27.4 in)
Depth	70 mm (2.8 in)
Weight	11 kg (24 lbs)
Power	230 VAC

REF.	8241-0024-00
Screen	24"
Brightness	300 Cd/M2
Contrast ratio	1000
Remote control	48 buttons
Standard fixation	Vesa 100 x 100

See connections on page 78

THE CIRCULAR POLARISED TEST DISPLAY

The new LCD display, with its 22" circular polarised screen, is the result of combining cutting-edge technology and great expertise. This screen has been designed for optimal results in the exam room thanks to its ergonomic design, streamlined style, and the large number of tests it includes.

FEATURES AND BENEFITS

> Streamlined style
> Top-of-the-range circular polarised screen
> Fixation point (Maddox rod)
> Radio frequencies remote control ergonomic and intuitive

Tests

> Letters, numbers, geometric shapes, tumbling E charts, Landolt C charts, charts for children, Sheridan Gardiner test, ETDRS
> Binocular balance (polarised)
> Malette Test background (polarised)
> Cowen test
> Jackson's Cross
> Schoeber's Test
> Relief vision test (polarised)
> Cross cover test (polarised)
> Amsler Grid
> Phoria test
> Parent's Test
> Red/Green balance
> Binocular balance on a red/green
> MKH Tests (cyclophoria, stereo...)
> Dots group
> Worth 4 Dot Test
> Regan and Pelli-Robson contrast sensitivity test
> Coincidence test, aniseikonia (polarised)
> Ishihara Tests

Luminous fixation point (Maddox rod)

It is used to detect possible early strabismus. This function is integrated in the display, thus avoiding the need for additional accessories.

Stands and Mounts :

7191013
Floor stand (Optional)

7610022
Table stand (Optional)

8230-5041-07
VESA wall mount (Standard)

VX22C Chart Display

TECHNICAL SPECIFICATIONS

Height	385 mm (15.16 in)
Width	590 mm (23.23 in)
Depth	40 mm (1.57 in)
Weight	3,8 Kg (6.61 lbs)
Power	250V AC

REF.	8241-0022-30
Screen	22" / 1920x1080
Brightness	250 Cd/M²
Resolution	1920 x 1080

See connections on page 78

A LARGE RANGE OF OPTOTYPES

The technology developed in the VX19 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
> Jackson's cross
> Schoeber's test
> Coincidence tests
> Ishihara tests
> 6 Optotypes tests: letters, figures, Snellen, Landolt's ring, 3 ranges for kids: Shadows & shapes (triangles, squares, rounds ...)
> Decimal or logarithmic progression (available scores: Monoyer, decimal, LogMAR,MAR & Snellen)
> R/G test available anytime on any test (one touch)
> Contrast adjustable from 100 to 5% on all ranges
> Amsler's test
> Dots Group
> Worth's test
> Binocular vision tests
> 2 fixation dots: small white dot and clown for kids
> Large range of possible acuities on all tests: from 0.05 to 2.00
> Possibility to change the displayed letter in one touch.
> Isolated optotype, line, or triple line display on the same or different acuity
> Pelli Robson's test / Regan'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)

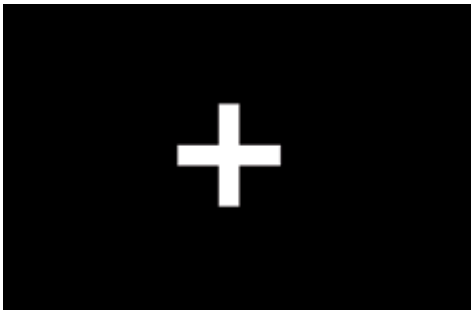
VX19 Chart Display

TECHNICAL SPECIFICATIONS

REF.	8240-0019-00
Height	370 mm (14.57 in)
Width	420 mm (16.54 in)
Depth	75 mm (2.95 in)
Weight	6.8 Kgs (15lbs)
Power Supply	230 V AC
Screen	19"
Brightness	300 Cd/M²
Contrast ratio	400
Remote control	48 buttons
Standard fixation	Vesa 100 x 100
Standards	MDD, CE

See connections on page 78

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.

ACUITAB

BEST. Nr. 8230-1040-01
Vision chart display app

Tablet app enabling two-way communication between the chart displays and the tablet (the tablet is used to start the test, and the chart display sends the info about the displayed test to the tablet)

Wi-Fi communication offers the following benefits:
> Speed and immediate response between the tablet and the display
> Enables image transfer, in contrast with traditional remote controls, which use infra-red emission in serial mode and can only transmit codes.
> Ease of configuration and installation, delivered as a USB drive with the application, allowing you to update previously installed displays with the latest upgrades configuration.

Package presentation
> USB Wi-Fi adapter
> Tablet application (for tablet models please contact us)
> Upgrade for the L40 software (with the latest tests)
> Adhoc network+web: Mozilla FireFox, Chrome,Safari
> Minimum screen resolution: 1024 x 768

L29i Charts Projector

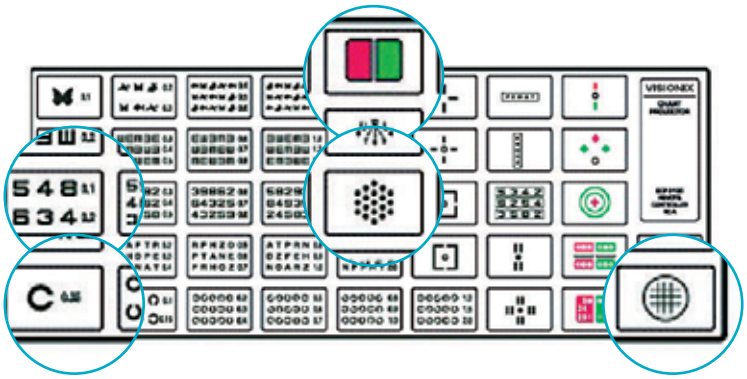
ALL POSSIBLE ACUITY TESTS

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.

FEATURES AND BENEFITS

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



Height	265 mm (10.4 in)
Width	362 mm (14.25 mm)
Depth	210 mm (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)

TECHNICAL SPECIFICATIONS

REF.	7610020
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)
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

VX40 - VX36 - VX35 - VX30

LENSMETERS

VISIONIX
The Vision of the Future

VX40 Automatic Lensmeter

THE POWER OF WAVEFRONT

Visionix wave front technology allows you to have a full detailed analysis of a frame at the push of the button. Experience the next generation autolensmeter with the VX40. The VX40 can detect and analyze single vision, bifocals, and progressive lenses and is compatible with all lens technologies and brands.

POWER MAP inside

FEATURES AND BENEFITS

Fully Automated
The VX40 is fully automated. After the operator places the frame and initializes the start procedure, lens analysis and measurement is completely automatic. Even left / right eye movement requires no user input.

Easy to use
The unique lens holder system allows for fast insertion of the frame with only one hand! After pushing the start 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 Analysis
The VX40 detects all types of lenses including bifocals, progressives, freeform, and single vision lenses. It is compatible with virtually every lens technology and brand.

Complete Visual Analysis
The VX40 analyzes progressive and freeform lenses and then conveys the measurements to the operator in the form of a visual topographic map of the power ranges across the lens. These lens types no longer have to be a mystery to you.

Side By Side Progressive Lens Analysis
The lens is studied completely which allows for the operator to pick any point on the lens to verify the power and accuracy of the manufacturing. Compare and analyze even freeform progressive lenses and show your patients the differences between different progressive lens designs.

Height	455 mm (17.9 in)
Width	220 mm (8.66 in)
Depth	240 mm (9.44 in)
Weight	9 Kg (20 lbs)

VX 40 Lensmeter

TECHNICAL SPECIFICATIONS

REF.	3014-0000-00
	GENERAL
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	52-80 mm, Step 0.5 mm

PERFORMS LENS MEASUREMENTS SIMPLY AND EASILY

This new generation of lensmeter allows the measure of the rate of transmission of the blue light and offers an intuitive user interface to enable the user to perform lens measurements simply and easily

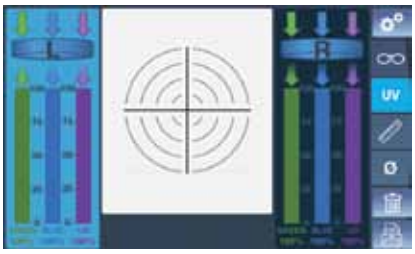
FEATURES AND BENEFITS

> Measuring function and an optical center marking function .
> The VX36 displays the P.D. (pupillary distance) and P.H. (pupillary height) measurements.
> It can measure both uncut single lenses and framed glasses, as well as contact lenses.
> Furthermore, it provides automatic detection of multi-focal lenses, UV Measurement, a wide tilting angle Color LCD Display, a simple and intuitive GUI and a printer.

And :

> VX36 measures blue light transmittance of lens. Too much blue-violet light (Especially blue light radiation from light sources or screens) can damage the human eye

Lens mode
This mode allows you to measure the power of the lenses, either framed or uncut.



UV mode button
This mode allows you to measure the transmittance of light in the blue light (HEV) and the ultraviolet portions of the spectrum. The above screen, 100% means that 100% of the UV rays go through the lens as well as 100% of the blue light.

Serial port (RS-232)
Connects a compatible optometric device, such as phoropter, to the lensmeter. Connects a computer for data collection to the EMR software.

Height	471 mm (18.5 in)
Width	233 mm (9.2 in)
Depth	203 mm (8 in)
Weight	4.5 kg (9.9 lbs.)

VX36 Lensmeter

TECHNICAL SPECIFICATIONS

REF.	8236-0001-00
	GENERAL
Display Touch Screen	800x480
Color LCD	LED
Printer	57 mm Thermal printer
Power	AC 100-240V 60/50Hz 35W
Standards	Compliance with Medical Device Directive 93/42/EC
	MEASUREMENT (WF) RANGE
Spherical Power Range	0 – ±20 (step 0.01,0.06,0.12,0.25)
Spherical Power range (contact lens)	0 – ±20 (step 0.01,0.06,0.12,0.25)
Cylinder Power range	0 – ±10 (step 0.01,0.06,0.12,0.25)
Axis	0 – 180° (step 1°)
Addition power	0 – ±10 (step 0.01,.0.06,0.12,0.25)
Prism Power	0 – 20 (step 0.01)
PD	42mm to 82mm

TABLE OF FEATURES

	LCDTouch Screen	Auto recognition of progressive lenses	Wave front	Contact lenses mode	PD measurement	PH measurement	UV Transmission measurement	Printer	Serial port RS-32
VX36	•	•	•	•	•	•	•	•	•

VX35 Automatic Lensmeter

WAVEFRONT BASED WITH 130 POINT SIMULTANEOUS MEASUREMENTS

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

POWER MAP inside

VX 35 Lensmeter

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
- Faster neutralization of the lens
- Auto measurement
- Increase accuracy
- Exceptionally stable
- 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 accomodate any user
> High speed parallel processing for easy process
> Low transmission lens measurment, for sunglasses

And of course...

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

Height	487 mm (19 in)
Width	235 mm (9.25 in)
Depth	246 mm (9.6 in)
Weight	6 kg (13 lbs.)

TECHNICAL SPECIFICATIONS

REF.	8235-0001-00
	GENERAL
Printer	Internal, 57mm
Screen	TFT color 800 x 480 pixels
Conditions of use	+10°C à +40°C
Power	100 / 240 V / 50 / 60 Hz
	RANGE
Sphere	-25.00 D to +25.00 D
Cylinder	-10.00 D to +10.00 D
Axis	0° to 180° (step : 1°)
Prism	0 à 20cm/m, 0.01 cm/m step
Addition	0 to 10.00 D
Step	0.01 D / 0.06 D / 0.12 D / 0.25 D
PD	42mm to 82mm

TABLE OF FEATURES

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

PERFECTLY ADAPTED TO THE ASSEMBLY AND CONTROL OF LENSES

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

FEATURES AND BENEFITS

> 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)

Height	380 mm (14.96 in) at tilt angle of 30° 465 mm (18.32 in) at tilt angle of 90°
Width	170 mm (6.69 in)
Depth	400 mm (15.75 in)
Weight	4.3 kg (approx.) (8.82 lbs)

VX 30 Lensmeter

TECHNICAL SPECIFICATIONS

REF.	8630-0001-00
	GENERAL
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° Graduations .....5°
Power supply	AC/DC 110-220V – 6Vdc 12w

VX85 - VX80 - VX75 - VX70 - EYEPIX 3

SLIT LAMPS

VISIONIX
The Vision of the Future

PRECISION AT HIGH LEVEL

Electric height adjustment

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

VX 85 Slit Lamp

TECHNICAL SPECIFICATIONS

REF.	8485-0001-03	Converging 6° - 3 magnifications
	8485-0001-05	Converging 6° - 5 magnifications
	8485-0002-03	Parallel 6° - 3 magnifications
	8485-0002-05	Parallel 6° - 5 magnifications
Height	440 mm (17.32 in)	
Width	240 mm (9.45 in)	
Depth	300 mm (11.81 in)	
Weight	12,0Kg Instrument (excluding accessories; Headrest: 1,5Kg) (26.45 lbs)	

COST EFFECTIVE RELIABLE TECHNOLOGY

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

VX 80 Slit Lamp

TECHNICAL SPECIFICATIONS

REF.	8480-0001-03 Converging 6° - 3 magnifications 8480-0001-05 Converging 6° - 5 magnifications
Height	644±15mm (25.35 in)
Width	299 mm (11.77 in)
Depth	313 mm (12.32 in)
Weight	Lamp: 8,7Kg (17.64 lbs) Digital lamp: 9,4Kg (19.84 lbs)

RELIABLE TECHNOLOGY

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

VX 75 Slit Lamp

TECHNICAL SPECIFICATIONS

REF.	8475-0001-03 Converging 6° - 3 magnifications 8475-0001-05 Converging 6° - 5 magnifications 8475-0002-03 Parallel 6° - 3 magnifications 8475-0002-05 Parallel 6° - 5 magnifications
Height	433±15mm (17.05 in)
Width	296 mm (11.65 in)
Depth	313 mm (12.32 in)
Weight	"Lamp: 7,4Kg (15.43 lbs) Digital lamp: 8,1Kg" (17.64 lbs)

STEREO MICROSCOPE

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

VX 70 Slit Lamp

TECHNICAL SPECIFICATIONS

REF.	8470-0001-05 Converging 6° - 5 magnifications 8470-0001-03 Converging 6° - 3 magnifications 8470-0001-02 Converging 6° - 3 magnifications
Height	780 mm (30.71 in)
Width	380 mm (14.96 in)
Depth	530 mm (20.87 in)
Weight	Packed: 26Kg (57.32 lbs) (2 magnifications), 28Kg (61.73 lbs) (3 or 5 magnifications)

Technical Specifications

	VX 70 Slit Lamp	VX 75 Slit Lamp	VX 80 Slit Lamp	VX 85 Slit Lam
Magnifications	2x/3x/5x	3x/5x	3x/5x	3x/5x
Parallel version	-	•	•	•
Convergent version	•	•	•	•
Height adjustment: manual version	•	•	•	•
Height adjustment: motorized version	-	-	-	•
Slit width	Continuously Adjustable	Continuously Adjustable	Continuously Adjustable	Continuously Adjustable
Slit length	Continuously Adjustable	Continuously Adjustable	Continuously Adjustable	Continuously Adjustable
Slit apertures	14; 10; 6; 4; 3; 1; 0,2mm	14; 9; 5,5; 0,3 mm	12; 9; 5; 3; 1; 0,2 mm	12; 8; 5; 0,2 mm
Tyndall point	Ø 0,2mm	Ø 0,3 mm	Ø 0,2 mm	Ø 0,2 mm
Slit rotation	Continuously Adjustable	Continuously Adjustable	Continuously Adjustable	Continuously Adjustable
Working distance	100 mm	68 mm	88 mm	68 mm
Average viewing height	375 mm	375 mm	375 mm	375 mm
Light	LED	LED	LED	LED
Max light intensity	300 000 Lux	350 000 Lux	350 000 Lux	350 000 Lux
Longitudinal (In/Out)	99 mm	113 mm	113 mm	113 mm
Lateral (Left/Right)	118 mm	107 mm	107 mm	100 mm
Vertical (Up/Down)	30 mm	30 mm	30 mm	30 mm
Chin-rest height	76 mm	76 ±1 mm	66 ±1 mm	70 mm
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	24/14/8	24/14/8	24/14/8	24/14/8
Total magnification/field of view (in mm) for 5 magnifications	5/8/14/36/24	5/8/14/36/24	5/8/14/36/24	5/8/14/36/24
Pupillary adjustement	"52 - 90 mm (2 magnifications) 55 - 75 mm (3 or 5 magnifications)"	48,5 - 80 mm	48,5 - 80 mm	48,5 - 80 mm
Diopter ajustment	+/- 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	380 mm	296 mm	299 mm	240 mm
Depth	530 mm	313 mm	313 mm	300 mm
Height	780 mm	433±15 mm	644±15mm	440 mm
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)

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.

EYE PIX3
Slit lamp digital camera

TECHNICAL SPECIFICATIONS

REF.	8400-8023-00
	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

	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

VX620 - VX210 - VX205 - PT100

DIAGNOSTIC INSTRUMENTS

VISIONIX

The Vision of the Future

VX620 Non-mydriatic fundus camera

FAST RETINAL SCREENING

VX620 is an innovative non-mydriatic digital fundus camera that combines all the needed functions of a fast retinal screening. By using a new optical system, VX620 provides high quality retinal pictures.

FEATURES AND BENEFITS

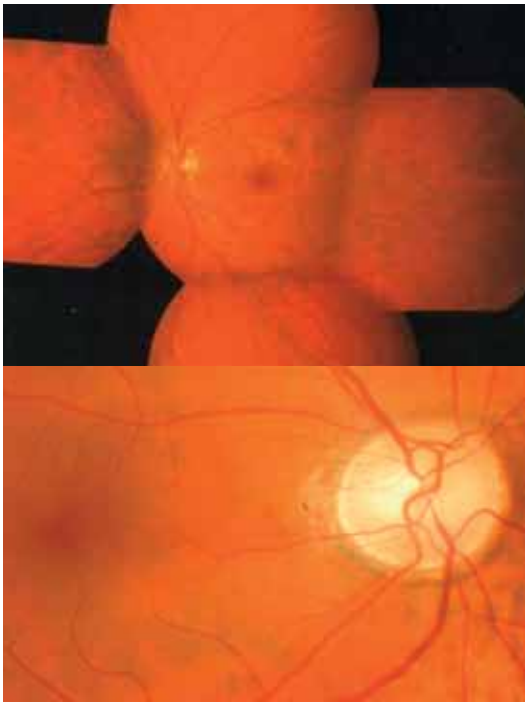
> Ergonomic design
> Clear and detailed view of the entire ocular fundus with a real 60°x45° horizontal field of view
> Pictures acquired with minimum flash exposure minimizing examination time for the patient
> High resolution CCD sensor (5 MP) for the patient alignment (with IR source) and for the retinal picture acquisition (with a white LED flash and IR)
> High speed data transfer to PC

VXSOFT Software features

> Advanced image processing functions, drawing features, measurement tools, mosaic function Meibomiam Glands Dinsfunction (MGD) analysis tool
> Simple and intuitive export of retinal images
> Data can be transferred to a compatible server under DICOM standard (Digital Imaging and Communication in Medicine)

Image management functionalities

> Zoom effects
> Colour control and filtering
> Measurement (C/D ratio, Disc HV, Cup HV)
> Drawing (text/objects can be inserted)
> Edge enhancement / Grey scale / Contrast RGB
> Mosaïc



VX620 Diagnostic

TECHNICAL SPECIFICATIONS

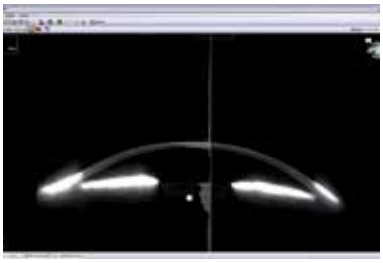
REF	8505-0620-01 / (Including pc IMac) 8505-0620-00 (without pc)
Working distance	8 mm
Light source	White LED - InfraRED LED
Resolution	5MP (2448x2052)
Acquisition field	60 degrees horizontal, 45 degrees vertical
Diopters adjustment	+10D ÷ -20D
PC connection	USB 3, DICOM (if available)
Network capability	TCP/IP
	MINIMUM HARDWARE AND SOFTWARE REQUIREMENTS
CPU	Intel Pentium Dual Core 2,00GHz
RAM	2GB RAM
GPU	512MB GPU (dedicated)
Resolution	1280x1024 screen resolution
Connectivity	USB 3
OS	Microsoft Windows XP SPK3 and later supported

SCHEIMPFLUG CAMERA AND PLACIDO DISC

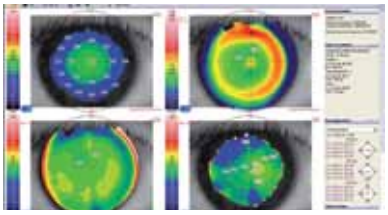
High precision instrument for the tomography of the anterior ocular segment and cornea analysis. The excellent combination between a rotating Scheimpflug camera and a Placido disk provides a complete analysis of both the entire cornea and the anterior segment.

An extremely fast guided acquisition system

> Diagnosis
> Pre and post cataract and refractive surgery
> Corneal and anterior segment Scheimpflug image analysis
> Tangential and axial curvature for the anterior and posterior corneal surface
> Anterior refractive power, posterior refractive power and equivalent power of the whole cornea
> Altimetric maps referred to various surfaces
> Corneal thickness map and anterior chamber depth map
> Corneal wavefront and visual quality analysis
> Contact lens fitting module
> Extremely fast alignment, acquisition, and processing (less than 10sec)
> Retro-illumination image for densitometry



Anterior chamber analysis



Complete report

VX 210 Diagnostic

TECHNICAL SPECIFICATIONS

REF.	8217-0210-00 (without PC) 8217-0210-01 (with PC)
Camera	Double head CCD
Light source	LED Blue (475 nm - UV free)
Working distance	80mm
Rings	22
Measured points	21632 for anterior surface, 16000 for the posterior
Processed points	more than 100.000
Covered cornea diameter	0,4 up to 12 mm diameter
Diopters range	1 to 100 D
Accuracy	± 0.25 D (half scale)

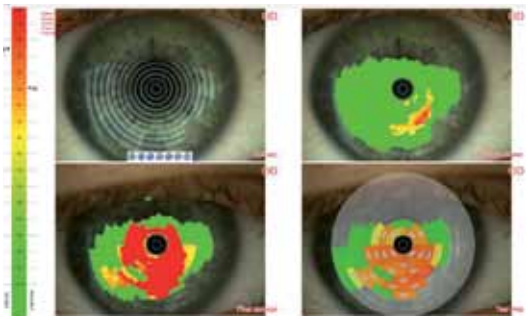
Height	510 mm (20.08 in)
Width	250 mm (9.84 in)
Depth	320 mm (12.60 in)
Weight	7 kg (15.43 lbs)
Electric power supply	(only instrument) external power supply

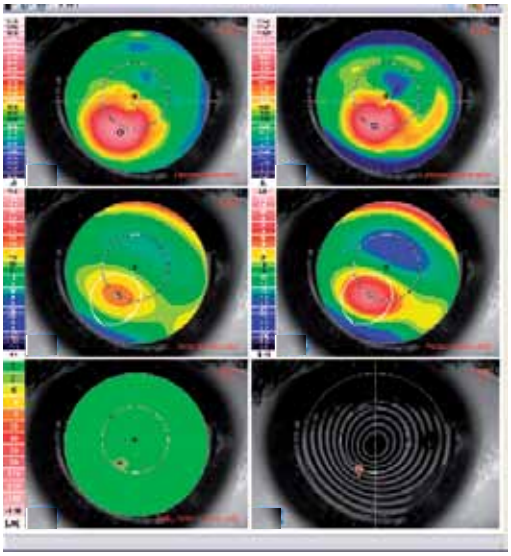
TOPOGRAPHER

VX205 the new topographer that integrates a high-resolution colour digital camera for advanced analysis of the tear film.

THE FUNCTIONS AVAILABLE ARE:

> Keratoconus screening and follow-up
> Pupillography integrated
> Meibomian Gland analysis
> Tear film analysis
> Tear meniscus measurement
> Fluorescein imaging (blue light 470 nm)





VX205 Diagnostic

TECHNICAL SPECIFICATIONS

REF.	11760 (without PC) 11767 (wth PC Imac)
Placido disc	24 rings
Working distance	78 mm
Measured points	6144
Camera	High-resolution colour digital camera (1024x960 pixel)
Connection to the PC	USB 3
Light sources	White Light for corneal topographs and images and filmed in videokeratoscopy; Blue 470 nm led for images and filmed in fluorescein; IR 890 nm led for pupillography and meibography

Height	510 mm (20.07 in)
Width	205 mm (8.07 in)
Depth	320 mm (12.60 in)
Weight	6 kg (13.23 lbs)

COMPLETELY PORTABLE AND CORDLESS

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 automatic, quick and easy measurement
> Very soft puff confortable 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

Height	254 mm (10 in)
Width	120 mm (4.7 in)
Depth	200 mm (7.9 in)
Weight, unpacked	1.3 Kg (2.7 lbs)
Standards	CE
Lithium Ion Battery Voltage	3.7 VDC

TECHNICAL SPECIFICATIONS

REF.	8501-0100-00
	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)

PM110 - OPTITAB - KER 300

OTHER INSTRUMENTS

VISIONIX
The Vision of the Future

PM110 Pupillometer

CORNEAL REFLECTION PUPILLOMETER

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

REF.	8602-0110-00
Height	60 mm (2.36 in)
Width	250 mm (9.84 in)
Depth	160 mm (6.30)
Net weight	720 g (1.60 lbs)
Standards	MDD, CE
	AUTOMATIC LIGHTING AND DIGITAL DISPLAY
Uses	2 X AA batteries

PERFECT FRONT DESK ASSISTANCE

REF. 8701-1002-01 BRIOT VERSION iPad®not included
REF. 8701-1002-02 WECO VERSION iPad®not included

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® air 2
> 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 managment 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




KER300 Javal Keratometer

FUNCTIONAL AND ECONOMIC KERATOMETER

FEATURES AND BENEFITS

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°

Height	430 mm (16.9 in)
Width	320 mm (12.6 in)
Depth	380 mm (14.9 in)

TECHNICAL SPECIFICATIONS

REF.	8303-0300-00
	MAIN DATA
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°

COMBI 7000 - 5500 - 400 - VX3000 - VX2000 - VX1000

REFRACTION UNITS

VISIONIX
The Vision of the Future

COMBI 7000 - 5500

ANSWER TO ALL OPHTHALMIC AND OPTOMETRIC NEEDS

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 personnal 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

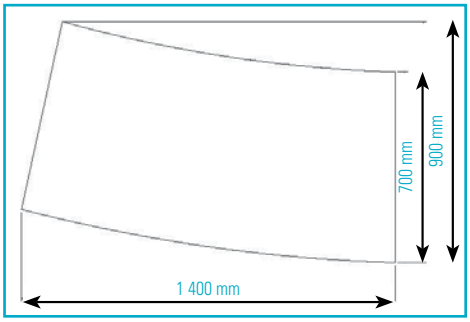
> Manual rotation
> Manual sliding table for 4 instruments
> Phoropter arm (option)
> Large handle for easy operation (Rotation and sliding)

Common features

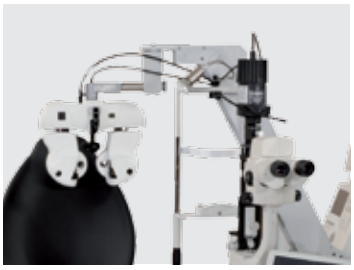
> Automatic up/down movement for instruments table from 800 to 950 mm
> Column with LED adjustable lamp and projector support plate
> Rotating console with control panel, drawer and room for storage (trial lens case in option in the drawer)
> Electric elevation chair seat height: from 480 to 670 mm
>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

TECHNICAL SPECIFICATIONS

REF.	7220067 Combi 7000 right version 7220068 Combi 7000 left version 7220065 Combi 5500 right version 7220066 Combi 5500 left version
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	1950 mm x 1700 mm [76.8 in x 66.9 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 skaï fabric
Standards	MDD, CE



See options pages 76 & 77

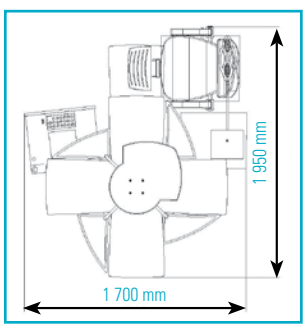


Opened automatic phoropter arm

Control Panel

Drawers

Automatic sliding table



THE QUALITATIVE, FUNCTIONAL REFRACTION UNIT

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 anadditional 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

See options pages 76 & 77

Wheel chair access

Drawer for accessories

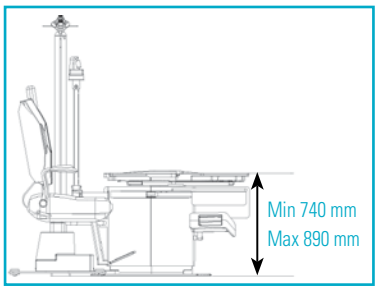
TECHNICAL SPECIFICATIONS

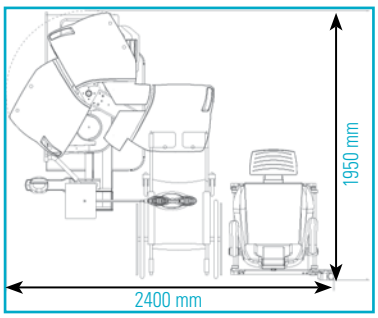
REF.	7220063 - Combi 400 refraction unit right 7220064 - Combi 400 refraction unit left
Min. seat height	530 mm [20 in]
Max. seat height	720 mm [28 in]
Inclination	70° adjustable-tilt
Seat adjustment	16 cm (6.2 in) back & forward
Arm rest	Pivotable
Standards	MDD, CE

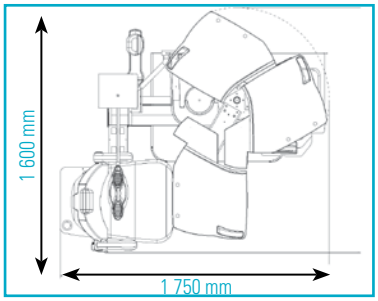
THREE INSTRUMENTS UNIT

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

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

VX3000 Chairs and Stands

TECHNICAL SPECIFICATIONS

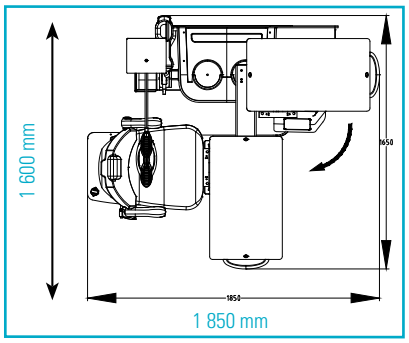
REF.	8115-3000-01 VX3000 with three instruments table (right) 8115-3000-02 VX3000 with three instruments table (left) 8115-3000-11 VX3000 H with electric elevation table (right) 8115-3000-12 VX3000 H with electric elevation table (left)
Dimensions	1600 X 1750
Weight	250 Kg (551 lbs)
Height of the seat	530 - 720 mm
Table up/down	H Model
Height of the Table VX3000	890 mm
Height of the table version H	740 - 890 mm
Maximum weight for the table	External position / Internal positions 30 Kg (66 lbs) Internal position 25 Kg (55 lbs)
Maximum weight for the chair	135 Kg (297 lbs)
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

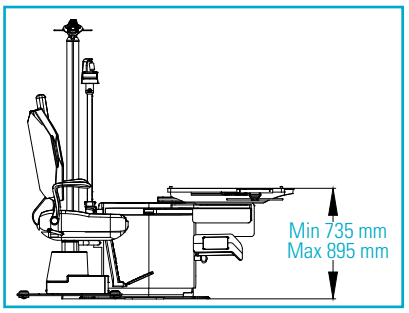
See options pages 76 & 77

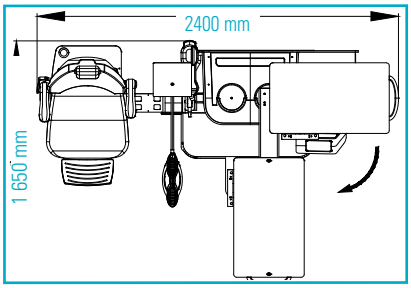
COMFORTABLE TRENDSETTER UNIT

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

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

VX2000 Chairs and Stands

TECHNICAL SPECIFICATIONS

REF.	8115-2000-01 VX2000 with 2 instruments table (right) 8115-2000-02 VX2000 with 2 instruments table (left) 8115-2000-11 VX2000 H with electric elevation table (right) 8115-2000-12 VX2000 H with electric elevation table (left)
Dimensions	1600 X 1850
Weight	220 Kg (485 lbs)
Height of the seat (mm)	530 - 720 mm
Height of the Table VX2000	870 mm
Height of the table version H	735 - 895 mm
Maximum weight for the table	External position 15 Kg (33 lbs) Internal position 25 Kg (55 lbs)
Maximum weight for the chair	135 Kg (297 lbs)
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

See options pages 76 & 77

2 INSTRUMENTS UNIT WITH SLIDING TABLE

Compact and complete refraction unit, the VX1200 allows the eye care professionals to realize a refraction in a minimum of time and makes the set of necessary instruments available for their practice thanks to its sliding table.

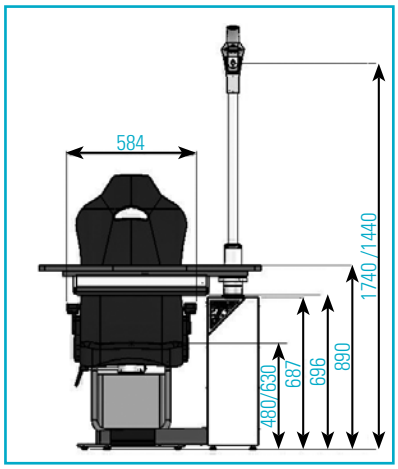
FEATURES AND BENEFITS

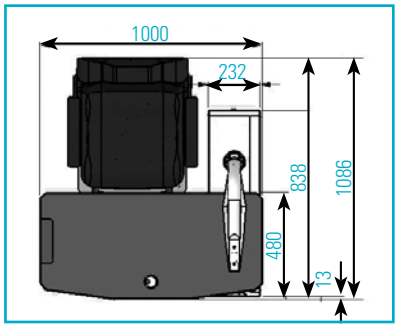
> Motorized phoropter arm included
> Panel control included, also delivered with a remote control for more comfort
> Drawer for trial lenses set
> Available right and left hand
> Column with ambient led light and support for the chart projector
> Electrical elevation of chair
> Foot rest
> Arm rests

VX 1200 Chairs and Stands

TECHNICAL SPECIFICATIONS

REF.	8115-1200-01 VX1200 (Right hand) 8115-1200-02 VX1200 (Left hand)	
General data	• Dimension (working position)	1000 x 1188 mm
	• Dimension (Rest position)	1000 x 1706 mm
	• Weight	250 kg
	• Max weight on the table top	2 x 25 kg
	• Seat Height	520 to 680 mm
	• Table top height	860 mm
	• Main power supply	230 Vac 50 Hz (230 Vac 60 Hz - 110 Vac 60 Hz)
	• Table top power supply	230 Vac x2 , pre wiring for vx 70 slit lamp
Features	• Chair with removable arm rest	•
	• Foot rest	•
	• Reclinable back rest	-
	• Chair rotation	•
	• Electrical phoropter arm	•
	• Trial lenses drawer	•
	• Ambient light	•
	• Remote control	•
	• Sliding table top	•





See options pages 76 & 77

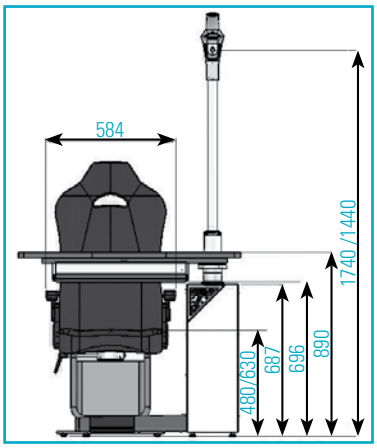
COMPACT 2 INSTRUMENTS UNIT

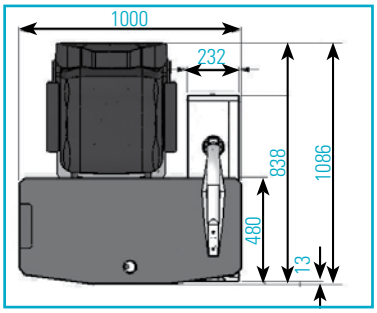
**Comfortable and compact refraction unit, the VX1000 adapts itself to all environments even the smallest one.
It is the ideal solution for refraction daily practice.**

FEATURES AND BENEFITS

Motorized phoropter arm included

> Panel control included, also delivered with a remote control for more comfort
> Drawer for trial lenses set
> Available right and left hand
> Column with ambient led light and support for the chart projector
> Electrical elevation of chair
> Foot rest
> Arm rests





FEATURES

Chair with removable arm rest	•
Foot rest	•
Reclinable back rest	-
Chair rotation	•
Electrical phoropter arm	•
Trial lenses drawer	•
Ambient light	•
Remote control	•

VX1000 Chairs and Stands

TECHNICAL SPECIFICATIONS

REF.	8115-1000-01 Right version with 2 instruments table 8115-1000-02 Left version with 2 instruments table
Dimensions	1000 x 1086 (working position) 1000 x 1706 (rest position)
Weight	250 Kg
Height of the seat (mm)	520 to 680 mm
Maximum Height of the Table	840 mm
Main power supply	230 Vac 50 Hz (230 Vac 60 Hz – 110 Vac 60 Hz)
Table top power supply	230 Vac x2 , pre wiring for vx 70 slit lamp

See options pages 76 & 77

MOTORIZED TABLES
INDIVIDUAL AND V-SHAPED

Individual table

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

V-shaped table

TECHNICAL SPECIFICATIONS

REF.	7760018 Individual Table 7760016 V-Shaped Table
Table Top	W 600 mm x D 400 mm and W 1050 mm x D440 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

CHAIRS

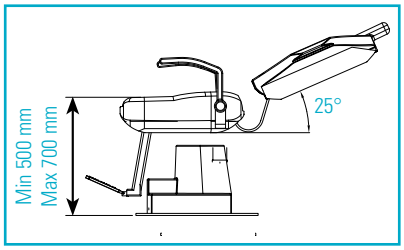
The COMBI chair with electrical movement has been especially built for the patient comfort and has a user-friendly operating mo

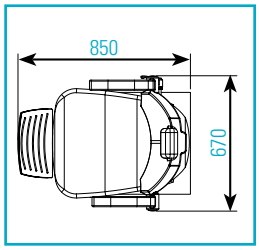
FEATURES AND BENEFITS

> 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

REF.	8105-0900-00 Reclining chair 7240026 Fixed chair
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

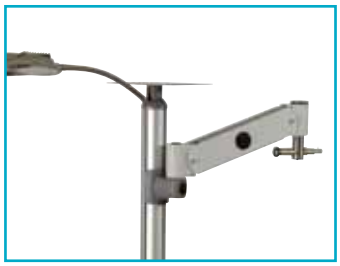
FEATURES AND BENEFITS

Compact set for small spaces
> Phoropter arm
> Simple and functionnal
> Easily assembled
> Floor space inferior to 1 m^2

REFRACTION UNITS OPTIONS

REF. 8115-8200-01
Automatic phoropter arm right VX2000
REF. 8115-8200-02
Automatic phoropter arm left VX2000

REF. 8115-8300-01
Automatic phoropter arm right VX3000
REF. 8115-8300-02
Automatic phoropter arm left VX3000



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
REF. 8115-8000-02
Desk left hand

REF. 7720034
Electrical backward/forward movment for wheel chair access

REF. 7240030
Manual backward/forward movment 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	VX1200	VX2000 VX2000 H	VX3000 VX3000H	Combi 400	Combi 7000 - 5500
Control panel with butons	•	•			•	•
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	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	VX1200	VX1100	VX2000 VX2000 H	VX3000 VX3000H	Combi 400	Combi 7000 - 5500
Counter balanced Phoropter righ 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	8115-8000-01			•	•	•	•
Combo drawer	8115-8003-00			•	•	•	•
Projector support	8115-8100-01						

VXBOXII

The solution for data sharing between instruments

SHARE DATA BETWEEN VISIONIX INSTRUMENTS AND EMR

The VXBOX is a communication interface which allows the user to share data between the Visionix instruments among themselves and with EMR Systems. It creates a Wi-Fi network dedicated to data sharing. It helps to make the full refraction and diagnostic chain integration into EMR practice software.
It's also a bridge thru the LAN to the Practice network.

VXBOX II
VSXlink

TECHNICAL SPECIFICATIONS

REF.	8216-1001-02
Height	56.1 mm (2.20 in)
Width	107.6 mm (4.21 in)
Depth	114.4 mm (4.5 in)
Weight	0.922 kg (2 lbs)

			VX55	VisionPro	PC	VX60	VXBOX II
Lensmeters	VX40	wireless	Via VXBOX	8250-8004-00	8250-8004-00	8250-8004-00	WLAN Stick 8230-8040-10
		wired	NA	8250-8001-00	8250-8001-00	8250-8001-00	8250-8001-00
	VX35	wireless	NA	8250-8004-00 +8250-8040-05	8250-8004-00 +8250-8040-05	8250-8004-00 +8250-8040-05	NA
		wired	Via VXBOX	130294	130294	130294	130294
Diagnostic-ARK	VX120	wireless	Via VXBOX	8250-8005-00	8250-8005-00	8250-8005-00	WLAN integriert in VXBOX
		wired	Via VXBOX	8250-8001-00	8250-8001-00	8250-8001-00	8250-8001-00
	VX100	wireless	Via VXBOX	NA	included	NA	NA
		wired	Via VXBOX	NA	5 m : 129946 15 m : 129945	NA	NA
	L67	wireless	NA	8250-8002-00	8250-8002-00	8250-8002-00	NA
		wired	Via VXBOX	8250-8003-00	8250-8001-00	8250-8003-00	8250-8003-00
	L78, 79, 80 (Ref & Ker)	wireless	NA	8250-8005-00	8250-8005-00	8250-8005-00	NA
		wired	Via VXBOX	8250-8001-00	8250-8001-00	8250-8001-00	8250-8001-00
	L78, 79, 80 (Topography)	wired (LAN)		NA	5 m : 129946 15 m : 129945	NA	NA
Chart diplay	VX24 /VX22C / VX19	wireless	WI-FI	7195107	NA	7195107	WLAN
		wired	NA	8250-8001-00	NA	8250-8001-00	NA
	VXBOX	wireless	WI-FI	NA	WLAN	NA	
		wired	NA	NA	LAN	NA	

ACCESSORIES AND SPARE PARTS

VISIONIX
The Vision of the Future

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

Please contact us if you don't find the requested product

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

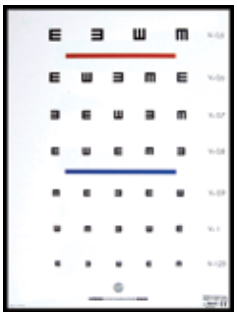
REFRACTION

Near vision tests

REF. 7190017 Parinaud set with 3 near vision tests

REF. 7190019 Rossano-Weiss tests for children

Far vision tests



REF. WL0101142 Monoyer far vision tests letters indirect 2.5m

REF. WL0101143 Monoyer indirect reading 3m

REF. WL0101144 Armaignac far vision tests trident direct 5m

REF. WL0101144 Indirect reading 2.5 m

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

Please contact us if you don't find the requested product

GOGGLES

REF. 7190037 Bagolini glasses

REF. 7190046
Red green google strictly complementary colors

REF. 8630-1740-33 Diploplia goggles

COLORS TESTS

Farnsworth's colors tests

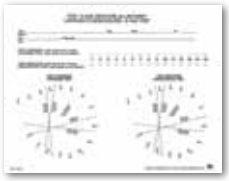
REF. 8630-1299-41 15D Farnsworth test

REF. 7190035 Farnsworth 15HUE desaturated

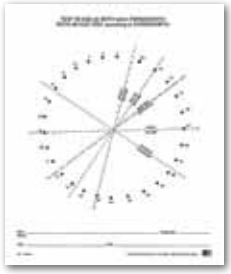
COLORS TESTS

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

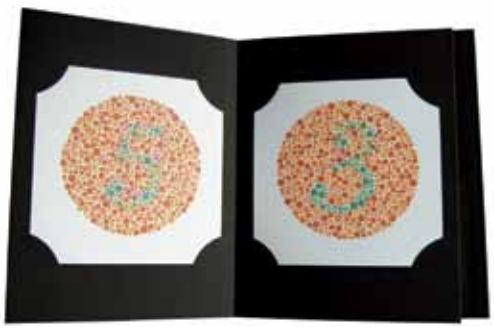


REF. 8630-1586-90
100 charts for 28 HUE test

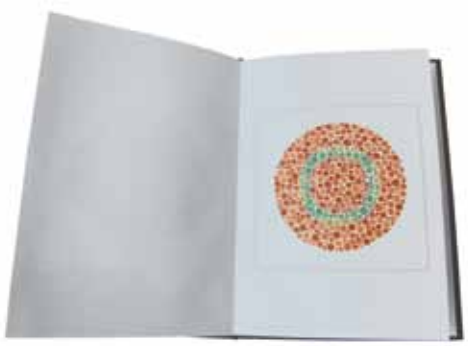
REF. 8630-1013-11 100 Charts for Lanthony 40HUE

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

Ishihara tests



REF. 7190033 38 plates



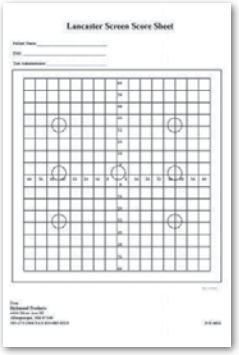
REF. 7190034 10 plates (children, geometric drawing)

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

Please contact us if you don't find the requested product

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. 16239 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

Please contact us if you don't find the requested product

OPHTALMOSCOPY-SKIASCOPY

REF. 122084
Retinoscopy racks 16 large diameter lenses (16 mm) 32 powers

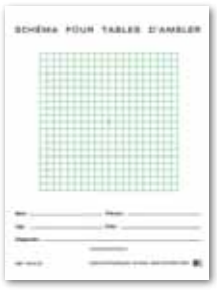
MEASURES AND DIAGNOSTIC

REF. 8630-8002-00
Luedde exophtalmometer, 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

REF. 8630-1510-26
Bulb for Goldmann perimeter

REF. 8630-1510-21
Goldmann patterns x100

DIAGNOSTIC / CONSULTATION

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

REF. 8230-5041-07
Wall support for L40

REF. 8240-8004-00
Radio frequency remote control

REF. 8229-5007-00
Bulb for L29

Please contact us if you don't find the requested product

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

LENSMETERS

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

REF. 8231-5025-00
Lens holder VL1000

REF. 3006-9216-00
Printer paper for VL3000

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

REF. 8231-8001-00
Kit of 3 inker pens for VX1000

REF. 8235-2110-00
VX35 white ink for VX35

REF. 8235-5002-00
Auto marker for VX35

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

REF. 8601-5052-00
VX35 white ink color

ARK

REF. 3011-4049-00
Protection against dust 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 Widht 32 mm

Luneau Technology

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