



YOUR PARTNER
FOR A SUCCESSFUL PRACTICE

AND FURNITURE

MANUAL AND DIGITAL PHOROPTERS

TEST PROJECTOR AND SCREENS

AUTO KERATO-REFRACTOMETERS

REFRACTION UNITS



OPTICAL COHERENCE TOMOGRAPHY



Visual acuity assessment.
Contact lens fitting.
Eye disease screening.
Our extensive range of equipment has the right solution for the needs of every vision care practice.
A range that combines state-of-the-art technology with intuitive operation in order to:



IMPROVE the efficiency of your practice



ENHANCE the patient experience



HIGHLIGHT your expertise



WAVEFRONT ABERROMETERS



NON CONTACT TONOMETER

CORNEAL



TOPOGRAPHER



OPTICAL BIOMETER



FUNDUS CAMERA



SLIT LAMPS



LENSMETERS

Essibox 7



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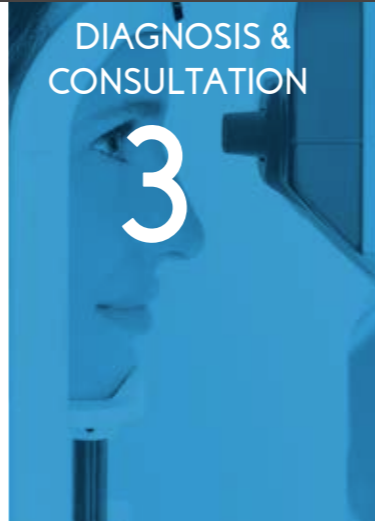


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M'Eye E.Store 45

DIGITAL

With Essibox, our digital store activator solution, unleash your practice potential. Maximize efficiency with seamless connectivity and with equipment from all leading brands. Being at the forefront of optical industry trends, you are now ready for the optical practice of the future.



EASY, QUICK AND 100%
DIGITAL ANAMNESES



INTUITIVELY DESIGNED
INTERFACE

Essibox enhances your operational efficiency by fully integrating data at every step of the patient journey—from Essibox’s unique digital anamnesis to your PMS.

It grows sales by providing the best-in-class lens category recommendation empowered by an intelligent ophthalmic engine.

With its intuitive and user-friendly interface, new employees can quickly learn how to use it.

UNIQUE DIGITAL ANAMNESES.

IMPACTFUL LENS CATEGORY RECOMMENDATION.

OPEN PLATFORM: WINDOWS, IOS, ANDROID, LINUX.

CONNECTED TO A NUMBER OF EXISTING PMS SYSTEMS AND THE LENS ORDERING SYSTEM OPSYSWEB.

ADAPTED TO ANY CONFIGURATION OF YOUR CURRENT PRACTICE AND NEW ESSILOR INSTRUMENTS TO COME.

SUPPORTS A VARIETY OF OPTOMETRIC AND OPHTHALMIC INSTRUMENTS FROM ALL MAIN MANUFACTURERS.

EQUIPMENT CURRENTLY SUPPORTED BY ESSIBOX:

	ESSILOR	NIDEK	TOPCON	OTHERS
LENSMETERS	ALM500		CL200	
	ALM700		CL300	
	ALM800	LM500	CL2800	
	CLE060	LM7P		
	CLE070			
REFRACTO-KERATO	AKR300		KR 8100P	
	AKR400		KR 8800	
	AKR550	AR360A	KR 8900	TOMEY RC500
	AKR700	RKT7700	TRK1P	RC800
	AKR750	TONOREF3	TRK2P	MR6000
	WAM700		AKR500	
	WAM800		AKRC500	
			AKRM500	
PHOROPTERS	APH500			
	APH550	-	-	-
	VISION-R 800			
FITTING	VISIOFFICE 1			ACEP
	VISIOFFICE 2	-	-	LEANSWEAR I
	VISIOFFICE X			

2

SCREENING

1/3 of the world's population need correction. 1/5 drivers can't see the road clearly due to poor vision. Screening activities are a must for our industry.

Beyond that key step in the patient journey, Essilor Instruments complements the screening category with binocular vision assessment and light sensitivity measurement (Eyeviz 300 and Lumiz 100).

Vision screener	09
Pre-screening	12
Light management	13



VISION SCREENER
VISIONSMART 500
 SELF SERVICE FAST SCREENING
 & TRAFFIC GENERATOR
 FOR OPTICIANS

Optotypes	Landolt rings
LCD display tests	Acuity, color, fusion, duochrome (red/green), contrast sensibility tests
Acuity levels & steps	From 0.1 to 1.2 by step 0.1 or 0.2
Distance	Far: 6m / near: 40cm
Light environments	Photopic, mesopic, mesopic radial glare, mesopic glare recovery
Pre-programmed protocols	Possibility to remove: glare recovery test & horizontal visual field test
Horizontal visual field	60°, 70°, 80°, 90°, 100° & nasal field
Voice guidance	More than 14 languages
Tests report	.pdf sent by email
Connectivity	WIFI
Headphones	Included ref. CA9073
Dimensions	283 (L) x 456 (W) x 483 (H) mm
Weight	6.7kg
Power supply	AC Input: 100-240 VAC, 1.9Amax, 50-60Hz DC Input: 24.0V, 2.70A Maximum output power: 60W

OPTIONAL ACCESSORIES



Carrying case with trolley

-  **DIGITAL & FULLY AUTOMATIC VISION STATION.**
-  **USER FRIENDLY & VOICE-GUIDED FOR 100% SELF-EVALUATION & SAFE TASK DELEGATION.**
-  **RELEVANT TESTS IN 4 DIFFERENT LIGHT ENVIRONMENTS TO ENABLE ECP TO INTRODUCE COATING, FILTERS AND SUN LENSES.**
-  **4 PRE-DEFINED PROTOCOLS ACCORDING TO AGE GROUP.**
-  **COMPREHENSIVE REPORT TO EASILY ENGAGE CONSUMER DIALOGUE.**
-  **RAISE AWARENESS ON VISION NEEDS, LIGHT SENSITIVITY.**
-  **QUALIFY ROAD SAFETY WITH HORIZONTAL VISUAL FIELD.**
-  **DRIVING PROTOCOL: ROAD SAFETY CHECK.**
-  **BUSY DAY PROTOCOL: FAST VISION PERFORMANCE TEST.**
-  **POSSIBILITY OF DESACTIVATING ONE TEST OR MORE AMONG THE GIVEN PROTOCOLS.**



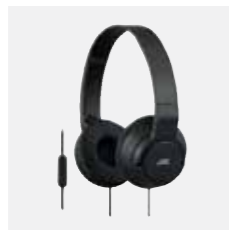
VISION SCREENER
VISIOSMART
THREE SCREENING SOLUTIONS FOR UNIQUE WAYS OF OPERATING

Optotypes	Letters, numbers, landolt rings, E Snellen, E Raskin, standard & logarithmic scales, cyrillic alphabet
LCD display tests	Acuity, color, fusion, duochrome (red/green), latent hyperopia +1d lens, astigmatism, contrast sensitivity, phoria, stereoscopic, amsler grid, relaxation accommodation test
Acuity levels & steps	From 0.1 to 1.2 by step 0.1 or 0.2
Distance	Far: 6m / near: 40cm / intermediate: 67cm
Light environments	Photopic, mesopic, glare recovery
Pre-programmed protocols	7 to 11 protocols included Customizable according to version*
Horizontal visual field	60°, 70°, 80°, 90°, 100° & nasal field
Voice guidance*	More than 14 languages*
Tests report	.pdf & .xml exportable to medical management software
Connectivity	Bluetooth / Wifi
Headphones*	Optional: ref. CA9003*
Dimensions	283 (L) x 456 (W) x 483 (H) mm
Weight	6.7kg
Power supply	AC Input: 100-240 VAC, 1.9Amax 50-60 Hz DC Input: 24.0V, 2.70A Maximum output power: 60W
Brightness system	200 cd/m2

OPTIONAL ACCESSORIES



Specific mask for horizontal/vertical & hyper-central visual field



Headphones



Carrying case with trolley



3 PRODUCT VARIATIONS ADAPTED TO YOUR USAGE: CONNECTIVITY, EASE OF USE OR SIMPLICITY.

DIGITAL VISION PERFORMANCE ASSESSMENT CONTROLLED BY WIRELESS PC OR TABLET*.

LARGE SCREENING TESTS LIBRARY TO PERFORM ALL TYPES OF EXAMINATION: AMETROPIA & RETINAL SCREENING*.

PRE-DEFINED OR PERSONALIZED TEST PROTOCOLS TO SAVE TIME AND EASE DELEGATION.

TEXT-TO-SPEECH TECHNOLOGY FOR AUTOMATIC MODE FREEING FROM REPETITIVE TASK & PRODUCTIVITY OPTIMIZATION*.

3 DISTANCE TESTS.

COMPLIANT WITH EU DRIVING REGULATIONS WITH ENHANCED HORIZONTAL & VERTICAL & HYPER CENTRAL VISUAL FIELD*.

* Options included or at extra cost, according to product version and reference.



VISION SCREENER
VISIOTEST
EASY TO USE. PORTABLE & RELIABLE VISION TESTING SOLUTION

Optotypes	Letters & numbers (C77301 VISIOTEST) Landolt rings (C77305 VISIOTEST)
Tests	Acuity, hyperopia, duochrome test (red/green), astigmatism, stereoscopic vision, phoria, color test
Acuity steps levels	0.2 / 0.4 / 0.6 / 0.8 / 1.0 / 1.2
Distance	Far: 5m / near: 33cm
Lighting system	LED
Optotypes contrast	Near 1
Dimensions	370 (H) x 300 (D) x 245 (W) mm
Weight	4.7 Kg
Voltage	100-240 VAC / 50-60 Hz 800mA
Power consumption	5W
C78000 CAMPITEST	Horizontal visual field 60°, 70°, 80°, 90°. 100° & nasal field
Size	Ø 300mm
Weight	500g
Remote control dimensions	135 x 45 x 35mm / cable: 1.6m

OPTIONAL ACCESSORIES



Campitest horizontal field test



Kit distance 50cm



Carrying case including trolley

FAST MANUAL DEVICE WITH DRUM OF 6 TESTS.

ENABLE ACCURATE SCREENING OF THE MAIN PARAMETERS OF VISION.

IDEALLY COMPACT & LIGHTWEIGHT INSTRUMENT. EASY-TO-CARRY OUT FOR DAILY VISIT.

PROVIDES QUALITY PHOTOGRAPHIC SLIDES TESTS.

LED LIGHTING SYSTEM TO ENSURE UNIFORM & OPTIMAL VISION TESTING CONDITIONS.

FOOT STAND FOR HEIGHT ADJUSTMENT FOR BETTER COMFORT.

WASHABLE RUBBER FOREHEAD REST.



PRE-SCREENING
EYEVI3 300
DIGITALIZED
OBJECTIVE BINOCULAR
VISION ASSESSMENT



OBJECTIVE BINOCULAR VISION ASSESSMENT enabled by an eye-tracking system including tests such as visual acuity, strabismus detection, eye deviation, fusion and color vision.

COMFORTABLE AND EASY TO USE thanks to tests run while patients watch short animations. Not requiring protocol skills, the assessment is easily delegated and takes only 5 min.

INNOVATIVE READING ANALYSIS reveals the reading behavior of the patient and helps analyze potential reading difficulties.

AUTO TEST MODE: possibility for patients to test themselves with only minor supervision, providing a clear summary page of the test results.

- 10 TESTS**
- STEREO ACUITY
 - MANIFEST STRABISMUS
 - LATENT STRABISMUS
 - VISUAL ACUITY
 - COLOR VISION
 - CONTRAST SENSITIVITY
 - CONVERGENCE INSUFFICIENCY
 - DIVERGENCE INSUFFICIENCY
 - FUSIONAL RESERVES
 - READING TEST

Eyeviz 300 is a smart combination of innovations for an objective assessment of binocular vision. The device was designed to be easy to delegate and handle, to address this rarely tested field.

Screen size	Full HD 11.6" Touchscreen
Power saving function	3, 5, 10min (switchable)
Connectivity	WIFI
Dimensions	416.38 (L) x 541.2 (W) x 57.3 (H) mm
Weight	7kg
Power supply	100-240V AC, 50/60Hz, 500mA Battery life when power is disconnected: 3 working hours



LIGHT MANAGEMENT
LUMIZ 100
ASSESS LIGHT
SENSITIVITY QUICKLY
AND EFFECTIVELY



MEASUREMENTS ARE COMPOSED OF 3 LIGHT TESTS:

- NATURAL, WARM-TONED LIGHTS
- ARTIFICIAL, COLD-TONED LIGHTS
- VARIATIONS OF LIGHT

DISCOVER A PERSONALIZED CONSUMER LIGHT PROFILE.

INTUITIVE SOFTWARE INCLUDING AUTOMATED OPERATIONS.

SUITABLE SOLUTIONS ADAPTED TO THE WEARERS' NEEDS.

First portable device to measure light sensitivity:

Substantiates unexplained light sensitivity issues expressed by the consumer and offers optimal recommendations to respond to the visual discomfort.

Headset	
Dimensions	201 (L) x 133 (W) x 95 (H) mm
Weight	0.3kg
Electrical characteristics	5V, 2.4A, 12W max
Charging station	
Dimensions	172 (L) x 126 (W) x 42 (H) mm
Weight	0.1kg
Electrical characteristics	5V, 2.4A, 12W max
Electric rating	
Source voltage	AC 100-240V
Power input	70-150VA
Frequency	50Hz-60Hz
Power supply	
Dimensions	85 (L) x 55 (W) x 70 (H) mm
Weight	0.1kg
Input	100-240VAC, 50/60Hz, 0.4-0.2A
Output	5V, 2.4A, 12W max
Wifi and Bluetooth	2.4Ghz
Battery Capacity	3400mAh, 3.6V

LIST OF ACCESSORIES:

- Power socket kit
- USB power cord (detachable part)
- Power supply (detachable part)
- Box of 10 protective masks (disposable)
- Quick start guide
- Disinfectant wipes (disposable)
- Desiccant bag

3

DIAGNOSIS & CONSULTATION

High definition imagery, rapid and accurate evaluation. The equipment in your practice should help you deliver confident diagnoses and advice.

With high quality optics, precision analysis and intuitive operations, from contact lens fitting to full eye examinations, we simplify the ways you can capture, store and share results with patients.

Optical biometer	15
Fundus Cameras	16
Optical Coherence Tomographer (OCT)	18
Non-contact tonometer	19
Corneal topographer	20
Premium slit lamps and digital camera	21
Slit lamps	22



The Myopia Expert 700 optical biometer provides a fast, comfortable and accurate solution for measuring axial length and corneal topography. Easy to use and fully automated, it integrates seamlessly into your practice and allows you to open dialogue on myopia management with young patients and their parents.

Measurement specifications		
Function	Features	
Axial Length	Low Coherence Interferometry	
Corneal topography and Keratometry	Keratoscopic Cone – 24 rings equally distributed on a 43D sphere	
	Analyzed points – Over 100,000	
	Measured points – Over 6,000	
	Corneal Coverage – Up to 9.8 mm on a sphere of radius 8mm (42.2 diopters with n = 1.3375)	
	Focus System – Guided focus	
Pupillometry	Infrared LEDs + White LEDs for photopic pupil acquisition	
Fluorescein	Blue LEDs with barrier yellow filter	
Measurement range and accuracy		
Measurement	Measuring range	
Keratometry	Curve radius	5.00 – 12.00 mm
	Curve Radius in Diopter (D)(n=1.3375)	28.00 – 67.50 D
Axial Length	15.00 – 36.00 mm	
Pupil dimension	0.50 – 10.00 mm	
Limbus (White-To-White)	8.00 – 14.00 mm	
Electrical specifications		
Power supply	AC 100-240V 50/60 Hz	
Power consumption	100 VA	
Fuse	Type	20 x 5 mm
	Value	T 2.5 A L 250 V anti-surge
Mechanical specifications		
Width	320 mm	
Height	490 mm	
Length	470 mm	
Weight	18 kg	
All-in-one instrument		
PC on board	Integrated PC with complete software and patient database.	
Touch screen	Integrated monitor with capacitive touchscreen display.	
Motorized chinrest	Integrated motorized chinrest completely managed by the software.	

Product not yet available worldwide, please check availability with your business contact.

AXIAL LENGTH FOR ACCURATE AND EASY MONITORING.

BUILD TRUST. REVEAL MEANINGFUL MYOPIA MANAGEMENT RESULTS.

COMPLETE SET OF MEASUREMENTS FOR ALL MYOPIA SOLUTIONS.

NON-INVASIVE MEASUREMENTS.

CORNEAL TOPOGRAPHY FOR DIAGNOSIS PURPOSES.

FLUORESCENCE IMAGING FOR CONTACT LENS.

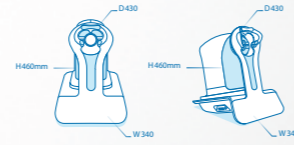
PUPIL MEASUREMENTS.

STORAGE AND OVERVIEWS OF HISTORIC OCULAR DATA PROPERTIES FOR EASY OBSERVATION OF CHANGES OVER TIME, WHICH IS ESPECIALLY USEFUL FOR MYOPIA.





FUNDUS CAMERAS
RETINA 800
STREAMLINE RETINAL
SCREENING IN YOUR PRACTICE



Automation	Fully automatic
Minimum pupil size	2.5
Field of view	45° up to 90°
Internal fixation points	7
Resolution	5MP (2448x2051)
Built-in software	Yes
Cup to disk ratio	Yes
MOSAIC function	Yes
Light source	LED
Connectivity	Teleconsultation available with retina800.essilor.com
Dimensions	43 (L) x 34 (W) x 46 (H) cm
Weight	13kg

**NEXT GENERATION
AUTOMATIC FUNDUS CAMERA**
Innovative and unique optical design allows fast and high quality image capture with minimal operator training.

**OPTIMIZED WORKFLOW WITH
FRIENDLY USER INTERFACE**
Helping ECPs easily screen patients and open doors to remote diagnosis or digitally assisted evaluation.

**DESIGNED FOR
REMOTE DIAGNOSIS
AND TELECONSULTATION.**



FUNDUS CAMERAS
RETINA 550
COMBINING RETINA 400 FEATURES
WITH ASSISTED FOCUS AND
INTERNAL FIXATION POINTS

PATIENT COMFORT GUARANTEED.

LARGE AND HIGH
DEFINITION IMAGES.

ASSIST FOCUS ENABLES
EASIER MEASUREMENT.

A FLEXIBLE SOLUTION FOR
ALL TYPES OF PRACTICE SET-UP.

SIMPLY FOCUS ON REGION OF INTEREST THANKS
TO 9 INTERNAL FIXATION POINTS.

A UNIQUE PLATFORM FOR ADVANCED
DIAGNOSIS.

Assistive focus	2.2
Field of view	52° x 45°
Internal fixation points	9
Resolution	5MP (2448x2052)
Built-in software	-
Cup to disk ratio	Yes
MOSAIC function	Yes
Light source	White LED – Infrared LED
Connectivity	USB 3.0, DICOM (if available) - Network capability TCP/IP
Dimensions	40 (L) x 41 (W) x 30 (H) cm
Weight	10kg



FUNDUS CAMERAS
RETINA 400
SIMPLE AND FLEXIBLE
SOLUTION FOR HIGH
DEFINITION RETINAL IMAGERY

NON-MYDRIATIC RETINAL CAMERA.

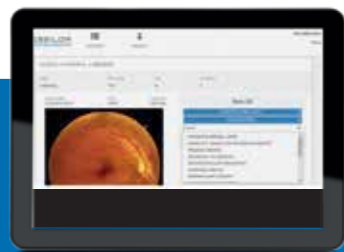
HIGH RESOLUTION SENSOR
AND WIDE FIELD OF VISION.

INTUITIVE SOFTWARE INCLUDING AUTOMATED
OPERATIONS.

INDEPENDENT SCREEN TO FACILITATE
RESULTS SHARING.

FLEXIBLE AND ADAPTABLE TO DIFFERENT
PRACTICE CONFIGURATIONS.

Automatization	Manual
Minimum pupil size	2.2
Field of view	60° x 45°
Internal fixation points	1
Resolution	2MP (1624x1232) - 5MP (2448x2052)
Built-in software	-
Cup to disk ratio	Yes
MOSAIC function	Yes
Light source	White LED – Infrared LED
Connectivity	IEEE1394 A or B, DICOM (if available) - Network capability TCP/IP
Dimensions	26 (L) x 32 (W) x 41 (H) cm
Weight	7kg



[HTTPS://RETINA800.ESSILOR.COM](https://retina800.essilor.com)





OPTICAL COHERENCE TOMOGRAPHY (OCT)

OCT 500*

A FULLY AUTOMATED OCT WITH TRUE COLOR FUNDUS CAMERA & ANGIOGRAPHY**



EASY TO USE & FULLY AUTOMATIC OCT allowing optimal patient positioning without operator action for effective & fast screening.



INTEGRATED LIVE FUNDUS IMAGING, maximizing OD/optometrist time by locating the exact region of interest for an OCT-scan.



EFFICIENT GLAUCOMA SCREENING with 3D wide scan (12mm x 9mm) allowing screening of fovea & optic nerve in a single scan, reducing the number of scans.



AUTOMATED ANGIOGRAPHY* & ANTERIOR CHAMBER (ICA, cornea thickness) analysis.

* Limited geographical coverage
** Angiography module priced as an additional option



Observation & photography of fundus image

Scan mode	Color, red-free & IR
Picture angle	45° ±5% 30° or equivalent (digital zoom)
Operating distance	34.8mm (in fundus photography)
Photographable diameter of pupil	Normal pupil diameter: ø 4.0mm or more Small pupil diameter: ø 3.3mm or more

Observation & photographing of the fundus/tomogram

Scan mode	(on fundus) Horizontal direction 3-12mm Vertical direction 3-9mm
Scan pattern	3D scan (horizontal/vertical) Lineer scan (line-scan/cross-scan/radial-scan)
Scan speed	50.000 A-Scans per second
Lateral resolution	20µm or less
In-depth Resolution	6µm or less
Photographable diameter of pupil	ø 2.5mm or more
Internal fixation target	Dot matrix type organic

Electric rating

Source voltage	AC 100-240V
Power input	70-150VA
Frequency	50Hz-60Hz

Dimensions and weight

Dimensions	543-680 (L) x 340-480 (W) x 530-735 (H) mm
Power Input	25kg

Observation & photographing of anterior segment

Photography type	Color & IR
Operating distance	62.6mm ±0.1mm (when taking a picture of anterior segment)

Observation & photographing of the anterior segment tomogram

Scan range (on cornea)	Horizontal direction 3-6mm ±5% Vertical direction 3-6mm ±5%
Scan pattern	Linear scan (line-scan/radial-scan)
Fixation target	External fixation target

NON-CONTACT TONOMETER

ATNC 550

AN INDISPENSABLE DEVICE IN THE GLAUCOMA DECISION-MAKING PROCESS



SOFT AIR PUFF TO ENHANCE PATIENT COMFORT.



IOP VALUE AUTOMATICALLY CORRECTED BASED ON CENTRAL CORNEAL THICKNESS.

Measurement	1 to 60mmHg or 0.1 to 8kPa
No measurement	1mmHg or 0.1kPa
Accuracy	±5mmHgOR ±0.7kPa
Working distance	11mm
Measurement unit	Back/forth ±22mm Right/left ±43mm Up/down ±17mm
Screen size	5.7"
Power saving function	3, 5, 10min
Printer	Thermal printer
Connectivity	RS-232C
Dimensions	422 (L) x 240 (W) x 430 (H) mm
Weight	13kg
Power Supply	100 to 240V - 50/60Hz



CORNEAL TOPOGRAPHER
CORNEA 550
PRECISE DIAGNOSIS
AND EFFORTLESS
CONTACT LENS FITTING

STREAMLINED CONTACT LENS FITTING
PROCESS

PRECISE EVALUATION OF THE CORNEAL SURFACE AND WIDE VARIETY OF GRAPHIC PRESENTATIONS.

RAPID AND EASY SELECTION OF THE BEST LENS THANKS TO FLUORESCENT IMAGE SIMULATION AND INTEGRATED DATABASE WHICH INCLUDES LENSES FROM 27 BRANDS.

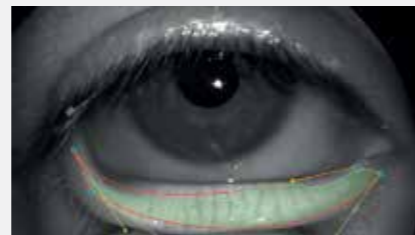
DYNAMIC AND STATIC CAPTURE OF THE PUPIL REACTION ACCORDING TO LIGHT CONDITIONS (SCOTOPIC, PHOTOPIC, MESOPIC).

ADVANCED TEAR FILM ANALYSIS FOR DRY EYE

BLUE AND WHITE LIGHT IMAGE CAPTURE allowing real-time observation of the tear film clearance.

NON-INVASIVE MEASUREMENT of the tear film break-up time (pictures and videos).

MEIBOGRAPHY with color scale enabling evaluation of gland loss.



Light source	White and blue Light (470nm) Corneal topography and video keratometry Infrared LED Pupillography and melbography
Measurement points	6144
Working distance	78mm
Digital camera	Colors, high definition (1024 x 960px)
Analysis	<ul style="list-style-type: none"> - Graphical representation for an accurate evaluation of the anterior surface of the cornea - Dynamic and static measurement of pupil diameter in scotopic, photopic and mesopic vision - Evaluation of tear film breakthrough time - Real-time observation of tear film stability under blue and white light - Evaluation and classification of the degree of atrophy of the meibomian glands
Connectivity	ANA EYES USB 3.0 - with the software
Dimensions	320 (L) x 205(W) x 510 (H) mm
Weight	6kg
Source voltage	230V AC



PREMIUM SLIT LAMPS
SL 550

THE PROFESSIONAL SOLUTION FOR COMPLETE EXAMINATIONS OF THE ANTERIOR EYE STRUCTURE

HIGH QUALITY OPTICS AND CUTTING-EDGE LED ILLUMINATION.

5 MAGNIFICATION LEVELS.

MANY SLIT ADJUSTMENTS AND LIGHT TILTING FEATURES.

WIDE RANGE OF FILTERS: COBALT BLUE, GREEN, RED, NEUTRAL DENSITY.

INTEGRATED YELLOW FILTER AND BACKGROUND ILLUMINATION.

HD DIGITAL CAMERA DS 550 (OPTIONAL).

High	Lighting system
Drum, 5 steps	Magnification
6 x (37mm)	Magnification range
10 x (24mm)	6 x (37mm)
16 x (14mm)	10 x (24mm)
25 x (8mm)	16 x (14mm)
40 x (5.2mm)	25 x (8mm)
LED	40 x (5.2mm)
Galilean convergent	LED
Cobalt blue - Green - Red - Grey - Yellow (optional)	Galilean convergent
0° to 180°	Magnification type
1mm to 14mm	Filters
0mm to 14mm	Cobalt blue - Green - Red - Grey - Yellow (optional)
12.5 x	Slit angle
52mm to 78mm	0° to 180°
0°, 5°, 10°, 15°, 20°	Slit length
Yellow filter / diffuser filter / background light	1mm to 14mm
Tonometer / polarized filter / micrometric eyepiece / observation tube	0mm to 14mm
Yes	12.5 x
	52mm to 78mm
	0°, 5°, 10°, 15°, 20°
	Yellow filter / diffuser filter / background light
	Tonometer / polarized filter / micrometric eyepiece / observation tube
	Yes



PREMIUM SLIT LAMPS
SL 500

DESIGNED TO OFFER HIGH PERFORMANCE IN CONTACT LENS FITTING

HIGH QUALITY OPTICS AND CUTTING-EDGE LED ILLUMINATION.

5 MAGNIFICATION LEVELS.

STANDARD FILTERS: COBALT BLUE, GREEN, RED.

INTEGRATED YELLOW FILTER AND BACKGROUND ILLUMINATION.

HD DIGITAL CAMERA DS 550 (OPTIONAL).

Low	Lighting system
Drum, 5 steps	Magnification
6 x (37mm)	Magnification range
10 x (24mm)	6 x (37mm)
16 x (14mm)	10 x (24mm)
25 x (8mm)	16 x (14mm)
40 x (5.2mm)	25 x (8mm)
LED	40 x (5.2mm)
Galilean convergent	LED
Cobalt blue - Green - Red - Grey - Yellow (optional)	Galilean convergent
0° to 180°	Magnification type
1mm to 14mm	Filters
0mm to 14mm	Cobalt blue - Green - Red - Grey - Yellow (optional)
12.5 x	Slit angle
52mm to 78mm	0° to 180°
0°, 5°, 10°, 15°, 20°	Slit length
Yellow filter / diffuser filter / background light	1mm to 14mm
Tonometer / polarized filter / micrometric eyepiece / observation tube	0mm to 14mm
Yes	12.5 x
	52mm to 78mm
	0°, 5°, 10°, 15°, 20°
	Yellow filter / diffuser filter / background light
	Tonometer / polarized filter / micrometric eyepiece / observation tube
	Yes

HD DIGITAL CAMERA
D 550

EASY-TO-USE TOOL FOR THE CAPTURE AND PROCESSING OF EYE IMAGES FOR ANALYSIS AND DOCUMENTATION



- COMPATIBLE WITH SL 500 AND SL 550.
- HIGH PERFORMANCE 2M PIXELS CAPTOR.
- PLUG & PLAY INSTALLATION (USB 3.0).
- INTUITIVE ANA EYES SOFTWARE INCLUDING BASIC MEASUREMENT, ANNOTATION AND ARCHIVING.
- EXPORT OF VARIOUS DIGITAL FILE FORMATS.



SL 450

SL 400

ESSENTIAL FEATURES
TO FIT MOST EYES

SL 350

SL 300

ENSURING PRECISION
AND SHARPNESS OF DETAIL

CLASSIC GALILEAN TYPE MICROSCOPE.

EASY MAGNIFICATION SELECTION BY ROTATING DRUM.

TILT TOWER UP TO 20° (SL 350/SL 450).

STANDARD FILTERS: THERMAL SAFETY, COBALT BLUE AND GREEN (RED-FREE).

HALOGEN OR LED ILLUMINATION SOURCE.

CONTINUOUS ADJUSTMENT OF THE SLIT APERTURE WITH 14MM APERTURE.

High (SL 450) / Low (SL 400)

Drum, 5 steps

6 x (37mm)
10 x (24mm)
16 x (14mm)
25 x (8mm)
40 x (5,2mm)

LED or Halogen

Galilean

Cobalt blue / Green / Anti-caloric (for halogen lighting) / Grey / Yellow (optional)

0° to 180°

1mm to 14mm

0mm to 14mm

12.5 x

48.5mm to 80mm

0° (horizontal)

Yellow filter / Diffuser filter / Background light

Tonometer / polarized filter / micrometric eyepiece / observation tube

-

Lighting system

Magnification

Magnification range

Illumination type

Magnification Type

Filters

Slit angle

Slit Length

Slit width

Standard Eyepiece

Pupillary distance

Tilt

Accessories

Options

Connectivity

High (SL 350) / Low (SL 300)

Drum, 3 steps

60° x 45°

LED or Halogen

Galilean

Cobalt blue / Green - Anti-caloric (for halogen lighting) / Grey / Yellow (optional)

0° to 180°

1mm to 14mm

0mm to 14mm

12.5 x

48.5mm to 80mm

0° (horizontal)

Yellow filter / Diffuser filter / Background light

Tonometer / polarized filter / micrometric eyepiece / observation tube

-

OPTIONAL ACCESSORIES



To expand and enhance the power of your slit lamp, discover our wide range of accessories on www.meyestore.com

4

REFRACTION

Whether you are performing comprehensive optometric tests or focusing on prescription checks, you can choose the appropriate function level and be sure of reliable measurements, even in the most complex cases.

Phoropters	24
Wavefront aberrometers	28
Auto kerato-refractometers	30
Lensmeters	32
Test projector and screens	34
Optometric accessories	37



PHOROPTERS
VISION-S 700
IMMERSIVE
REFRACTION STATION



ELIMINATING THE NEED FOR THE TRADITIONAL CHART DISTANCE. FREEING UP THE SPACE TO GROW YOUR BUSINESS.

PATENTED ALGORITHMS COMBINED WITH THE OPTICAL MODULE ENABLING DIGITAL INFINITE REFRACTION™ TO ENSURE AN ACCURATE REFRACTION IN ONLY 3 MINUTES.

FULLY ACCESSIBLE TO OPERATORS OF VARYING LEVELS.

PATENTED IMMERSIVE IMAGING CREATES A TRULY UNIQUE PATIENT EXPERIENCE AND RELAXED ACCOMMODATION.

PRESCRIPTION CAN BE DEMONSTRATED IN ACTION WITH PATENTED LIFE-LIKE SCENARIOS. HELPING TO INCREASE LENS CONVERSION.

3 OUT OF 4 PEOPLE PREFER BEING TESTED ON THE VISION-S 700 COMPARED TO A TRADITIONAL PHOROPTER.



CONSOLE

Change your business potential with just one device. The Vision-S 700 is a complete refraction room concentrated into one immersive station, expanding your refraction capacity through speed, ease of use and ultra compact size. The unique patient experience not only drives traffic but also helps convert sales.

Centering	
Pupillary Distance	49.0 to 80.0mm at far distance (in 0.50mm steps) 55.0 to 83.0mm at near distance (in 0.50mm steps)
Vertex Distance	From 4.0 to 30.0mm in 0.5mm steps, monocular, measured by cameras
Measuring range	
Sphere	From -20.00D to +20.00D
Cylinder	Up to 8.00D depending on the lens combination. Cylinder from -7.00D to 8.00D with sphere at 0D - In "Standard" mode: 0.25D increments with adjustable steps - In "Intelligent" mode: multiple larger and smaller increments
Axis	0° to 180° in 1° increments, with adjustable steps
Prisms	0 to 20Δ in 0.1Δ increments, with adjustable steps
Auxiliary lenses	
Occluders	Dark
Pinhole	Yes
Retinoscopy lenses	+1.50D, +2.00D (powered by optical module)
Fog Lenses	+1.50D, +2.00D (powered by optical module)
Jackson Cross Cylinders	±0.25D, ±0.50D (powered by optical module)
Fixed Cross Cylinders	±0.50D (powered by optical modules)
Prisms	3Δ base up, 3Δ base down, 6Δ base up, 10Δ base in (powered by varying prisms / diasporameters)
Maddox rods	Red, horizontal and vertical
Red/green filters	Red on right eye, green on left eye
Dimensions and weight	
Compact refraction unit:	Length = 64.0cm. Width: 32.5cm. Depth: 55.0cm. Total weight: 16Kg
Console (keyboard + screen)	Keyboard: 28 x 22cm. Screen display: 10.4". Total weight: 3.0Kg

Product not yet available worldwide, please check availability with your business contact.



PHOROPTERS
VISION-R 700
FAST AND SECURED
REFRACTION



UNIQUE OPTICAL MODULE PERMITTING MULTIPLE INCREMENTAL POWER CHANGES TO SECURE A RAPID 0.25D PROVEN ACCURACY.

SIMULTANEOUS LENS CHANGES FOR A MORE DIRECT & CONTROLLED REFRACTION METHOD: DIGITAL INFINITE REFRACTION™.

PATIENT SPECIFIC PROGRAM RECOMMENDATION FOR GUIDANCE FROM START TO FINISH.

SMART PROGRAMS FOR EASY REFRACTION BY SIMPLY RECORDING PATIENT ANSWERS.

IMPROVED PATIENT EXPERIENCE THANKS TO A WIDER FIELD OF VISION. SILENT LENS CHANGES AND EASY ANSWERING METHOD.

INSTANT POWER CHANGES FOR EASY COMPARISON AND PATIENT CONFIDENCE.

In the past, obtaining a faster refraction meant trading-off on accuracy. This is no longer the case. Thanks to Essilor's breakthrough refraction technology, the Vision-R 700 provides an ultra rapid 3-minute refraction. This easy-to-use phoropter makes exceptional performance the new standard, greatly adding to patient comfort and building customer loyalty.

Centering	
Pupillary Distance	49.0 to 80.0mm at far distance (in 0.50mm steps) 55.0 to 83.0mm at near distance (in 0.50mm steps)
Convergence	Automatic, compared to the position of the target for near vision and to the patient's pupillary distance
Vertex Distance	From 4.0 to 30.0mm in 0.1mm steps, monocular, measured by cameras
Measuring range	
Sphere	From -20.00D to +20.00D
Cylinder	Up to 8.00D dependent on lens combinations - in "Standard" mode: 0.25D increments with adjustable steps - in "Intelligent" mode: multiple smaller and larger steps which round to 0.25D
Axis	0° to 80° in 1° increments, with adjustable steps
Prisms	0 to 20Δ in 0.1Δ increments, with adjustable steps
Auxiliary lenses	
Occluders	Dark
Pinhole	Yes
Retinoscopy lenses	+1.50D, +2.00D (powered by optical module)
Fog Lenses	+1.50D, +2.00D (powered by optical module)
Jackson Cross Cylinders	±0.25D, ±0.50D (powered by optical module)
Fixed Cross Cylinders	±0.50 D (powered by optical modules)
Prisms	3Δ base up, 3Δ base down, 6Δ base up, 10Δ base in (powered by varying prisms / diasporameters)
Maddox rods	Red, horizontal and vertical
Red/green filters	Red on right eye, green on left eye
Polarized filter	Both linear and circular
Dimensions and weight	
Head of the phoropter	Width: 29.6cm at top - 21.9cm at bottom / height = 22.2cm. Depth: 8.4cm at top - 6.5cm at bottom. Total weight: 3.5Kg
Console (keyboard + screen)	Keyboard: 28x22cm. Screen display: 10.4". Total weight: 3.0Kg
Power supply	Length: 16.3cm Width: 19.3cm. Depth: 5.8cm. Total weight: 1.0Kg



CONSOLE



CHART SCREEN



PHOROPTER HEAD

Product not yet available worldwide, please check availability with your business contact.



PHOROPTERS
VISION-R 800
REINVENTING REFRACTION



PATENTED OPTICAL MODULE WHICH CONTROLS POWER AND PROVIDES PRESCRIPTIONS AT O.OID.

CONTINUOUS AND SIMULTANEOUS CHANGES OF SPHERE, CYLINDER AND AXIS TO IMPROVE EFFICIENCY AND ACCURACY.

SILENT AND INSTANT LENS CHANGES.

SMART TESTS AND UNIQUE ALGORITHMS.

SMOOTH POWER CHANGES AND WIDER FIELD OF VISION TO MAKE THE PROCEDURE SHORTER AND THE REFRACTION MORE COMFORTABLE.

CUSTOMIZABLE TESTS AND PROGRAMS.

POSSIBILITY OF COMPARING REFRACTION IN CUSTOMIZED AND IMMERSIVE REAL LIFE SCENARIO.

COMPARE MULTIPLE DATA SUCH AS LENSMETER AND AUTO REFRACTOR WITH ONE CLICK.



PHOROPTER HEAD

CHART SCREEN



CONSOLE

For many years, subjective refraction techniques hardly changed. Today, VISION-R800 phoropter offers continuous power changes and makes refraction more precise, easier to perform for the practitioner and more comfortable for the patient!

Centering	
Pupillary Distance	50.0mm to 80.0mm in 0.1mm steps Binocular and monocular adjustments
Convergence	Automatic, in relation to near vision chart location and patient's inter-pupillary distance
Vertex Distance	From 8.0mm to 30.0mm in 0.1mm steps Monocular and measured by cameras
Measuring range	
Sphere	From -20.00D to +20.00D Up to 8.00D
Cylinder	For both sphere and cylinder: - In "standard" mode: 0.25D increments, adjustable to 0.05, 0.10, 0.25, 0.50, 1.00 and 2.00D - In "smart" mode: 0.01D increments
Axis	0° to 180° in 1° increments, with adjustable steps to 5°, 10°, 20°, 45° and 90°
Prisms	0Δ to 20Δ in 0.1Δ increments, with adjustable steps to 0.5, 1, 2, 3 and 6Δ
Auxiliary lenses	
Occluders	Dark and translucent
Pinhole	Yes
Retinoscopy lenses	+1.50D, +2.00D (powered by optical module)
Fog Lenses	+1.50D, +2.00D and manual (powered by optical module)
Jackson Cross Cylinders	±0.25D, ±0.50D (powered by optical module)
Fixed Cross Cylinders	±0.50 D (powered by optical modules)
Prisms	3Δ base up, 3Δ base down, 6Δ base up, 10Δ base in (powered by varying prisms / diasporameters)
Maddox rods	Red, horizontal and vertical
Red/green filters	Red on right eye, green on left eye
Polarized filter	Both linear and circular
Connectivity	
Connectivity	Data import from most lensmeters and auto-refractometers Data export to most practice management softwares
Printer	Optional.
Power	
Power supply	AC 100V to 240V (50 / 60Hz)



PHOROPTERS
APH 550

HIGH-END AUTOMATIC PHOROPTER FOR SPEED, PRECISION AND COMFORT

HIGHLY-INTUITIVE, EASY-TO-USE TOUCH SCREEN CONTROL.

CUSTOMIZABLE TEST SEQUENCES.

EASY DATA TRANSFER FROM LENSMETER TO STREAMLINE EXAM.

COMPARE PRESCRIPTIONS IN 2 CLICKS TO SPEED FINAL VERIFICATION.

QUIET AND HIGH SPEED ROTATION DISK FOR OPTIMAL PATIENT COMFORT.

-28.75D to +27.25D
+6.00D
0° to 180°
0 to 20
48mm to 80mm
±0.25 / ±0.50
30cm to 70cm
12mm, 13.75mm, 16mm, 18mm
- Red filter - Green filter - Linear polarized filter (45° / 135°) - White & red maddox - Skiascopy glass - Cross cylinder ±0.50 - Pinhole - Occluder
Total
Controller keyboard
10"
Yes
Yes
11
Wired
-
Yes
Integrated to the keyboard

Sphere	-28.75D to +27.25D
Cylinder	-6.00D
Axis	0° to 180°
Prism	0 to 20
Pupillary distance	50mm to 70mm
Cross cylinder	±0.25
Near charts range	40cm to 67cm
Vertex distance	11.5mm, 13.75mm, 15.75mm, 17.75mm
Auxiliary lens	- Red filter - Green filter - Linear polarized filter (45° / 135°) - White & red maddox - Skiascopy glass - Cross cylinder ±0.50 - Pinhole - Occluder
Convergence	Total
Control system	-
Screen size	-
Touch screen	-
Tilttable screen	-
Key number	-
Wired / not wired	-
WIFI / BT	-
Connectivity	-
Printer integrated	-

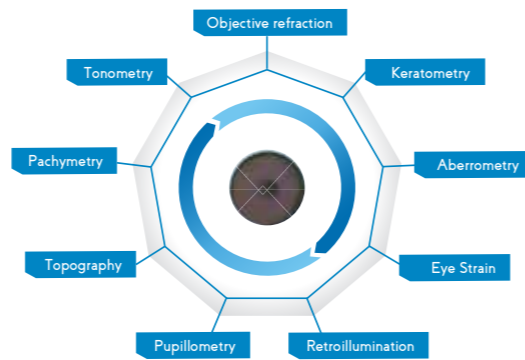


WAVEFRONT ABERROMETERS
WAM 800
FULL ANTERIOR CHAMBER
ANALYSIS AND EYE
STRAIN ASSESSMENT



WAM 800 is a very intuitive and fully automatic aberrometer that combines several technologies enabling the Eye Care Professional to provide a fully comprehensive of the eye in less than 2 minutes.

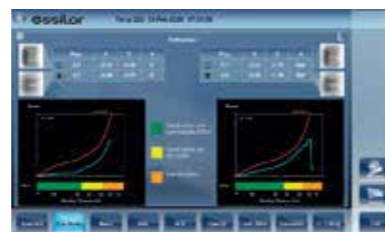
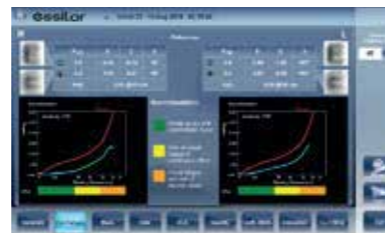
8 MAJOR TYPES OF MEASUREMENT



NEW

NEAR VISION ASSESSMENT

- Real-time evaluation of the patient's eye fatigue when focusing on nearby objects.
- Automatic display of the eye fatigue by distances in centimeters.



Air & power mapping (wavefront)	
Sphere	-20.00D to +20.00D
Cylinder	0D to +9D
Axis	0° to 180°
Minimum measurable pupil diameter	2mm
Number of measuring points	Up to 1500 points
Acquisition time	0.2s
Method	Shack-Hartmann
Pachymetry, IC angle and pupillometry	
Pachymeter range - resolution	150µm - 1300µm (±1µm)
IC angle range/ IC resolution	0°-60°/ 0.1°
Pupil illumination	Blue light 455nm
Method	Scheimpflug
Corneal topography	
Number of rings	24
Number of measuring points	6 144 points
Number of analyzed points	More than 100 000 points
Covered corneal area at 43D	From 0.33mm to more than 10mm
Diopters measured field	From 1D to 10D
Repeatability	0.02D
Method	Placido rings
Tonometry (with fixation point)	
Measurement range	1mmHg to 50mmHg
System	
Screen	10.1" multitouch screen
Dimensions	555 (L) x 320 (W) mm
Weight	27kg
Power supply	100-24V AC, 50/60Hz
Integrated printer	Yes
External output terminal	RS232 / USB / VGA / LAN
Operating system	Windows 10



WAVEFRONT ABERROMETERS
WAM 700+
AUTOMATIC SCREENING
SOLUTION TO STREAMLINE
YOUR PRACTICE

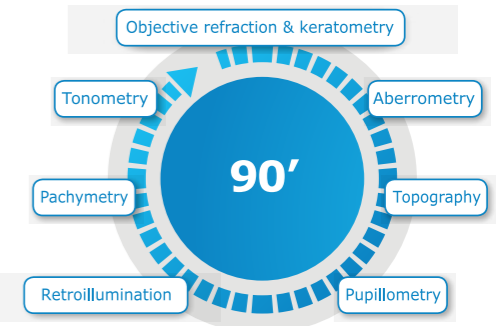
The Wave Analyzer Medica 700 is a highly intuitive, rapid and fully automatic solution combining 7 functions to simplify screening, with eye wellness assessment & detailed measurements for vision solution recommendation.

OPTIMIZED COMPREHENSIVE EYE WELLNESS SCREENING:
glaucoma, keratoconus, cataract.

COMPLETE PATIENT VISION SIMULATION: day / night simulation, objective refraction in different lighting conditions.

AN ASSET TO STREAMLINE PRACTICE WORKFLOW.

Air & power mapping (wavefront)	
Sphere	-20.00D to +20.00D
Cylinder	0D to +8D
Axis	0° to 180°
Minimum measurable pupil diameter	2mm
Number of measuring points	Up to 1500 points
Acquisition time	0.2 sec
Method	Shack-Hartmann
Pachymetry, IC angle and pupillometry	
Pachymeter range - Resolution	150µm - 1300µm (±1µm)
IC angle range / IC resolution	0°-60°/ 0.1°
Pupil illumination	Blue light 455nm
Method	Scheimpflug
Corneal topography	
Number of rings	24
Number of measuring points	6 144 points
Number of analyzed points	More than 100 000 points
Covered corneal area at 43D	From 0.33mm to more than 10mm
Diopters measured field	From 1D to 10D
Repeatability	0.02D
Method	Placido rings
Tonometry (with fixation point)	
Measurement range	1mmHg to 50mmHg
System	
Screen	10.1" multitouch screen
Dimensions	555 (L) x 320 (W) mm
Weight	27kg
Power supply	100-240V AC, 50/60Hz
Integrated printer	Yes
External output terminal	RS232 / USB / VGA / LAN
Operating system	Windows 10





AUTO KERATO-REFRACTOMETERS
AKR 750
 FAST. ACCURATE. FULLY
 AUTOMATIC. IDEAL SOLUTION
 TO DELEGATE MEASUREMENT

Refraction measurement	Sphere (refraction)	-30D to +22D
	Cylinder	0D to ±10D
	Axis	0° to 180°
Keratometry measurement	Curvature radius (keratometry)	5mm to 10mm
	Corneal refraction	33.75D to 67.5D
	Cylinder	0D to ±10D
	Axis	0° to 180°
	Peripheral keratometry	Yes
	Eccentricity	Yes
	Vertex distance	0, 10, 12, 13.5, 15mm
	Minimum pupillary diameter	2mm
	Pupil diameter measurement	2mm to 8.5mm
	PD measurement	10mm to 85mm
Screen size	7.5" (40° tilt)	
Touch screen	No	
Chinrest	Motorized	
Auto-focus	Yes	
Auto-shooting	Yes	
Printer	Integrated	
Connectivity	RS-232C / USB.2	
Dimensions	260mm x 442mm x 445mm	
Weight	16kg	
Power supply	230V AC	

ONE-TOUCH BUTTON MEASURING PROCESS FOR BOTH EYES.

ULTRA-PRECISE MEASUREMENT. FOR EVEN SMALL DIAMETER PUPILS.

AUTO AND MANUAL MEASUREMENT MODES AVAILABLE.

WIDE RANGE OF MEASUREMENTS INCLUDING PERIPHERAL KERATOMETRY WITH ECCENTRICITY.

LARGE 7.5" TILTING SCREEN FOR EASY OPERATION.

AUTOMATIC DATA TRANSFER TO APH 550.



AUTO KERATO-REFRACTOMETERS
AKR 550
 QUICK AND EASY-TO-USE ADVANCED
 REFRACTIVE MEASUREMENT

HIGH-ACCURACY MEASUREMENT ON EVEN SMALL PUPILS.

GUIDED ALIGNMENT THAT AUTOMATICALLY STARTS MEASUREMENT WHEN PUPIL IS FOCUSED.

PUPIL SIZE MEASUREMENT IN SCOTOPIC AND PHOTOPIC LIGHT CONDITIONS.

SCREEN TILTS AND SWIVELS FOR COMFORT WHEN SEATED OR STANDING.

AUTOMATIC DATA TRANSFER TO APH 550.

Refraction measurement	-30D to +22D
	0D to ±10D
	0° to 180°
Keratometry measurement	5mm to 10mm
	33.75D to 67.5D
	0D to ±10D
	0° to 180°
	-
	-
	0, 10, 12, 13.5, 15mm
	2mm
	2mm to 8.5mm (pupil only - auto)
	10mm to 85mm
5.7" (40° tilt, 30° pivot)	
-	
Manual	
-	
Yes	
Integrated	
RS-232C	
430 (H) x 422 (D) x 240 (W) mm	
13kg	
230V AC	

Sphere (refraction)	-25D to +22D
Cylinder	0D to ±10D
Axis	0° to 180°
Curvature radius (Keratometry)	5mm to 10.2mm
Corneal refraction	33D to 67.5D
Cylinder	0D to ±15D
Axis	0° to 180°
Peripheral keratometry	Yes
Eccentricity	Yes
Vertex distance	0, 10, 12, 13.5, 15mm
Minimum pupillary diameter	3mm
Pupil diameter measurement	2mm to 8.5mm
PD measurement	10mm to 88mm
Screen size	5.7" (40° tilt)
Touch screen	Yes
Chinrest	Motorized
Auto-focus	Yes
Auto-shooting	Yes
Printer	Integrated
Connectivity	RS-232C
Dimensions	450 (H) x 500 (D) x 260 (W) mm
Weight	20kg
Power supply	230V AC



AUTO KERATO-REFRACTOMETERS
AKR 300
 CONVENIENT AND EASY-TO-USE
 OBJECTIVE REFRACTION

INTEGRATED PERIPHERY KERATOMETRY MEASUREMENT FOR CONTACT LENS FITTING.

CORNEA, PUPIL & HARD CONTACT LENS DIAMETER EASY MEASUREMENT.

MEASUREMENT PROTOCOL CUSTOMIZATION.

INSTANT ACCESS & DISPLAY OF LAST 10 MEASUREMENTS STORED IN MEMORY.

MEASUREMENT ASSISTANCE FUNCTION.

UNIQUE TECHNOLOGY: «LIVE MODE» TO ASSIST ECPS MEASUREMENT.



LENSMETERS
ALM 800
UNIQUE COMBINATION OF
THE LATEST TECHNOLOGIES

This new generation lensmeter measures both harmful and beneficial blue light transmission and enables easy lens measurements. The exclusive design of the marking system enables blocking and marking in one single operation.

Measuring range	
Sphere	0.0D to ±25D – (0.01 / 0.12 / 0.25)
Cylinder	0.0D to ±10.0D
Axis	1° to 180°
Addition	0.0D to 10.0D – (0.01 / 0.12 / 0.25)
Prism	0.0Δ to 10.0Δ – (0.01 / 0.12 / 0.25)
Wavelength	525nm
Type of measurement	
Lenses / frames	Unifocals, multifocals, progressives
Tints	Up to class 4 (>5%)
Contact lenses	Soft and hard (dedicated support)
Measurement of UV transmission	0% to 100% (-25D to +25D)
Wavelength	375nm (UV-A)
Inter-pupillary distance	45mm to 85mm (0.5mm)
Screen	LCD Color 5.7"
Integrated printer	Yes
Connection	RS 232 C
Dimensions	170 (L) x 205 (W) x 468 (H) mm
Weight	4.3kg
Power supply	100V to 240V – 50/60Hz – 40V VA



MEASUREMENT TECHNOLOGY USING THE GREEN LIGHT BEAM.

LENS SUPPORT ADAPTED TO ALL LENSES AND FRAMES CURVES.

GUIDED AND AUTOMATED PRISM MARKING.

MEASUREMENT OF UV TRANSMISSION.

MEASUREMENT OF INTER-PUPILLARY DISTANCE.

ERGONOMIC DESIGN WITH TILTING COLOR SCREEN.

DATA TRANSFER TO AUTOMATIC PHOROPTER OR PATIENT.

MANAGEMENT SOFTWARE (IPMS).

PRINTER.



LENSMETERS
ALM 700
INTUITIVE AND PRACTICAL
LENSMETER FOR RAPID AND
ACCURATE MEASUREMENT



LENSMETERS
ALM 500
MEASUREMENT OF ALL TYPES
OF LENSES AND FRAMES

MEASUREMENT TECHNOLOGY USING THE GREEN LIGHT BEAM.

LENS SUPPORT ADAPTED TO ALL LENSES AND FRAME CURVES.

MEASUREMENT OF UV TRANSMISSION.

MEASUREMENT OF INTER-PUPILLARY DISTANCE.

ERGONOMIC DESIGN WITH TILTING COLOR SCREEN.

DATA TRANSFER TO AUTOMATIC PHOROPTER.

MEASUREMENT TECHNOLOGY USING THE GREEN LIGHT BEAM.

LENS SUPPORT ADAPTED TO ALL LENSES AND FRAMES CAMBERS.

ERGONOMIC DESIGN WITH TILTING COLOR SCREEN.

BUILT-IN PRINTER.

DATA TRANSFER TO AUTOMATIC PHOROPTER.

Measuring range		
0.0D to ±25D – (0.01 / 0.12 / 0.25)	Sphere	0.0D to ±25D – (0.01 / 0.12 / 0.25)
0.0D to ±10.0D	Cylinder	0.0D to ±10.0D
1° to 180°	Axis	0° to 180°
0.0D to 10.0D – (0.01 / 0.12 / 0.25)	Addition	0.0D to 10.0D – (0.01 / 0.12 / 0.25)
0.0Δ to 10.0Δ – (0.01 / 0.12 / 0.25)	Prism	0.0Δ to 10.0Δ – (0.01 / 0.12 / 0.25)
525nm	Wavelength	525nm
Type of Measurement		
Unifocals, multifocals, progressives	Lenses/frames	Unifocals, multifocals, progressives
Up to class 4 (>5%)	Tints	Up to class 4 (>5%)
Soft and hard (dedicated support)	Contact lenses	Soft and hard (dedicated support)
0 to 100% (-25D to +25D)	Measurement of UV transmission	-
375nm (UV-A)	Wavelength	-
45mm to 85mm (0.5mm)	Inter-pupillary Distance	-
LCD Color 5.7"	Screen	LCD Color 5.7"
Yes	Integrated printer	Yes
RS 232 C	Connection	RS 232 C
170 (L) x 205 (W) x 468 (H) mm	Dimensions	170 (L) x 205 (W) x 468 (H) mm
4.3kg	Weight	4.3kg
100 to 240V – 50/60Hz – 40V VA	Power supply	100V to 240V – 50/60Hz – 40V VA



TEST PROJECTOR AND SCREENS
VISION-C 600
 VISUAL COMFORT
 FOR THE PATIENT.
 EASE AND FLEXIBILITY
 FOR THE ECP

Screen size	24", LED
Luminosity (Changeable)	250cd/m2
Resolution	1920 x 1080 pixels
Projection distance	From 3m to 8m
Chart window size	293.2 x 521.3
Charts	Refer to Vision-R-manual
Dimensions	393 (L) x 612 (W) x 71 (D) mm
Weight	7,9kg
Power supply	12V - 5A (AV 100-120V/220-240V)
Power consumption	Less than 60W

24" POLARIZED LCD SCREEN: multiple high resolution charts developed specifically for visual testing, meeting all optometry standards.

WIDE RANGE OF TESTS: visual acuity, special tests, colour vision, random function, etc.

SLEEK LOOK & FEEL: complement your equipment with a modern and stylish design.

ERGONOMIC CONTROL: fully integrated with the Essilor phoropter range for ease of use and automated refraction.

CUSTOMIZABLE: quick and easy to customize the chart display.

MULTIPLE SET UP OPTIONS: select your refraction distance between 3-8m with direct or mirror mode.

LINEAR POLARIZATION.

IR&P CONNECTIVITY.



TEST PROJECTOR AND SCREENS
CS POLA 600
 WIDE CHOICE OF ETDRS
 OPTOTYPES WITH MULTIPLE
 POLARIZED TESTS



Technology	16/9, LCD
Screen size	24"
Resolution	1920 x 1080 pixels
Contrast	From 100% to 1.5%
Luminosity (brightness)	300cd/m2
Projection distance	From 1.5m to 8m
Test number	100
Polarisation	Yes (linear and circular)
Optotypes	Landolt C, numbers, letters, ETDRS
Masks and tests	<ul style="list-style-type: none"> - Astigmatism - Jackson cross - Cross cylinder - Lines (horizontal/vertical) - Duochrome test - Binocular vision - Fixation point - Aniseiconia - Stereoscopy - Phorias - Color vision - Amsler grid - Red/green - Worth test
Connectivity	APH 550, Vision-R 800
Remote control	Yes
Dimensions	621 (L) x 468 (W) x 76 (H) mm
Weight	9kg

24" POLARIZED LCD DISPLAY.

PROJECTION DISTANCE: 2M TO 8M.

CUSTOMIZABLE SLIDESHOW.

WIRELESS CONNECTION.



TEST PROJECTOR AND SCREENS

CS 550

A SCREEN TO EASILY MEASURE VISUAL ACUITY

OVER 100 KINDS OF CHART.

HIGH DEFINITION SCREEN.

RED AND GREEN CHARTS.

WIRELESS CONNECTION.

4/3, LCD	Technology	4/3, LED Lamp
19"	Screen size	16" (to 5m)
1280 x 1024 pixels	Resolution	Not applicable (projector technology)
From 100% to 1.5%	Contrast	-
320cd/m2	Luminosity (brightness)	200cd/m2 (to 5m)
From 1.5m to 6m	Projection distance	From 2m to 7m
100	Test number	50
-	Polarization	Yes (linear)
Landolt C, numbers, letters, Snellen, Children's drawing	Optotypes	Landolt C, numbers, letters, Snellen, Children's drawing
- Astigmatism - Binocular vision - Coincidence - Aniseiconia - Red/Green - Heterophoria - Stereoscopia	Masks and tests	- Lines (horizontal/vertical) - Astigmatism - Cross cylinder - Jackson cross - Worth 4 dots - Binocular balance - Duochrome - Coincidence - Shober - Phories - Stereoscopia - Fixation point - Eye schematic
APH 550	Connectivity	APH 550
Yes	Remote control	Yes
436 (L) x 362 (W) x 60 (H) mm	Dimensions	248 (L) x 234 (W) x 336 (H) mm
5.5kg	Weight	4.5kg



TEST PROJECTOR AND SCREENS

CP 550

A MUST FOR LED TECHNOLOGY

50 CHARTS.

FAST & QUIET DISK ROTATION.

LONG LASTING LED LIGHT ILLUMINATION.

PROJECTION DISTANCE: 2M TO 7M.

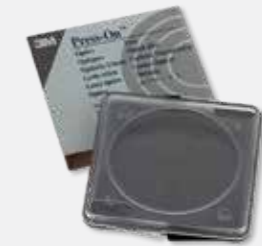
4/3, LED Lamp	Technology	4/3, LED Lamp
16" (to 5m)	Screen size	16" (to 5m)
Not applicable (projector technology)	Resolution	Not applicable (projector technology)
-	Contrast	-
200cd/m2 (to 5m)	Luminosity (brightness)	200cd/m2 (to 5m)
From 2m to 7m	Projection distance	From 2m to 7m
50	Test number	50
Yes (linear)	Polarization	Yes (linear)
Landolt C, numbers, letters, Snellen, Children's drawing	Optotypes	Landolt C, numbers, letters, Snellen, Children's drawing
- Lines (horizontal/vertical) - Astigmatism - Cross cylinder - Jackson cross - Worth 4 dots - Binocular balance - Duochrome - Coincidence - Shober - Phories - Stereoscopia - Fixation point - Eye schematic	Masks and tests	- Lines (horizontal/vertical) - Astigmatism - Cross cylinder - Jackson cross - Worth 4 dots - Binocular balance - Duochrome - Coincidence - Shober - Phories - Stereoscopia - Fixation point - Eye schematic
APH 550	Connectivity	APH 550
Yes	Remote control	Yes
248 (L) x 234 (W) x 336 (H) mm	Dimensions	248 (L) x 234 (W) x 336 (H) mm
4.5kg	Weight	4.5kg



OPTOMETRIC ACCESSORIES
SOLUTIONS FOR ACCURATE
AND PRECISE VISUAL ASSESSMENT



TRIAL FRAMES & TRIAL CASES



PRISMS



RETINOSCOPES & OPHTHALMOSCOPES



QUICKSEE - PORTABLE
AUTOREFRACTOMETER



STEREO & ISHIHARA TESTS



PORTABLE SLIT LAMP

5

FURNITURE

This adaptable range of units meets all your space and layout requirements. The units provide comfort and ergonomic design and can be customized.

To ensure quick and easy installation, the units were purpose-designed for integration with Essilor equipment.

Refraction units	39
Motorized side tables and stools	43



Chair maximum load	150kg
Sliding tabletop	Dimensions: 42cm x 82cm Max weight: 40kg
Versions	Right or left handed version
Power supply	110/230 V- 50/60 Hz
Dimensions	1.68 (L) x 1.80 (P) x 1.90 (H)m
Weight	240kg

OPTIONS

- Additional screen holder (OST048)
- Additional projector plate (OST202)
- Electric arm (OST380)
- Additional shelf (OST377)
- Drawer and shelf optimum design (OST376)

COLORS AVAILABLE FOR LATERAL COVERS

RED: OST386 – BLUE: OST384 – WHITE: OST385

REFRACTION UNITS OST 350 OPHTHALMIC REFRACTION UNIT FOR ADVANCED PRACTICE

3 INSTRUMENTS SLIDING TABLE.

PROJECTOR HOLDER AND SELF-BALANCING REFRACTOR ARM².

VARIABLE LED LIGHTING, NEAR VISION LAMP, FIXED CHINREST, DUAL VOLTAGE AND ACCESSORIES HOLDER.

WHEEL CHAIR ACCESSIBILITY, MAGNETIC BRAKE AND KEYPAD ON TABLE SIDE.

3 INSTRUMENTS TABLETOP.

WHEEL CHAIR ACCESS.

ROOM LIGHT CONDITION CONTROL AT TABLE SIDE (KEYPAD).



REFRACTION UNITS
OST 250 OST 250H
 ERGONOMIC
 AND COMFORTABLE
 MOTORIZED REFRACTION
 UNIT FOR DAILY USE

OST 250
 CONFIGURATION

2 INSTRUMENTS SLIDING TABLE.

PROJECTOR HOLDER AND SELF-BALANCING
 REFRACTOR ARM².

VARIABLE LED LIGHTING, NEAR VISION LAMP,
 FIXED CHINREST, DUAL VOLTAGE,
 ACCESSORIES HOLDER.

MOTORIZED CHAIR WITH 90° TILTBACK.

INTEGRATED DRAWER.

MOTORIZED TABLE.

OST 250H
 CONFIGURATION

OST 250 CONFIGURATION.

WHEEL CHAIR ACCESSIBILITY,
 MAGNETIC BRAKE.

Chair maximum Load	150kg
Sliding tabletop	Dimensions: 42cm x 82cm Max. weight: 40kg
Versions	Right or left handed version
Power supply	110/230V-50/60Hz
Dimensions	1.26 (L) x 2.14 (W) x 1.90 (H) m
Weight	240kg

OPTIONS

- Additional screen holder (OST048)
- Additional projector plate (OST202)
- Electric arm (OST380)
- Additional shelf (OST377)
- Drawer and shelf optimum design (OST376)

COLORS AVAILABLE FOR LATERAL COVERS

OST250 / RED: OST010 – BLUE: OST020 – WHITE: OST030
 OST250H / RED: OST253 – BLUE: OST251 – WHITE: OST252



REFRACTION UNITS
OST 200
 HIGH COMFORT
 REFRACTION UNIT
 FOR DAILY USE

Chair maximum load	150kg
Sliding tabletop	Dimensions: 42cm x 82cm Max weight: 40kg
Versions	Right or left handed version
Power supply	110/230 V- 50/60 Hz
Dimensions	1.26 (L) x 2.14 (W) x 1.90 (H) m
Weight	240kg

OPTIONS

- 5cm spacer (OST046)
- Near vision lamp (OST208)
- Additional projector plate (OST202)
- Additional screen holder (OST048)
- Comon chinrest adapter (OST210)
- Accessories holder (OST047)
- Additional drawer (OST201)

COLORS AVAILABLE FOR LATERAL COVERS

RED: OST010 – BLUE: OST020 – WHITE: OST030

2 INSTRUMENTS SLIDING TABLE.

PROJECTOR HOLDER AND
 SELF-BALANCING REFRACTOR ARM.

COMMON CHINREST ADAPTER.

TILTING BACKREST 45°.

VARIABLE LIGHTING.



REFRACTION UNITS
OST 100 OST 150
 COMPREHENSIVE
 REFRACTION UNIT
 FOR LIMITED SPACES

OST 100
 CONFIGURATION

2 INSTRUMENTS SLIDING TABLE.

MOTORIZED CHAIR.

PROJECTOR PLATE.

SELF-BALANCING REFRACTOR ARM.

LED LIGHTING.

OST 150
 CONFIGURATION

OST 100 CONFIGURATION.

LIFT-UP ELBOW RESTS AND FOOTREST.

Chair maximum load	150kg
Sliding tabletop	Dimensions: 42cm x 82cm Max weight: 50kg
Versions	Right or left handed version
Power supply	230V-50/60Hz
Dimensions	1.25 (L) x 1.5 (W) x 1.80 (H) m
Weight	195kg

OPTIONS

- 5cm spacer (OST046)
- Near vision lamp (OST208)
- Additional projector plate (OST202)
- Additional screen holder (OST048)
- Comon chinrest adapter (OST210)
- Accessories holder (OST047)

COLORS AVAILABLE FOR LATERAL COVERS

RED: OST010 – BLUE: OST020 – WHITE: OST030

MOTORIZED SIDE TABLES
 AND STOOLS



TAM 70
 MOTORIZED TABLE
 FOR TWO INSTRUMENTS

Table size	1080x480m / Hmaxi 940mm / Hmini 670mm
Max loading	75kg



TAM 60
 MOTORIZED TABLE
 FOR ONE INSTRUMENT

Table size	435x800m / Hmaxi 840 mm / Hmini 670mm
Max loading	75kg



TAM 50
 MOTORIZED TABLE
 FOR ONE INSTRUMENT

Table size	435x600m / Hmaxi 940mm / Hmini 670mm
Max loading	75kg



STOOLS
 CHROME FIVE-STAR
 BASED

Exists in 3 colors	BLUE : RUEA18 RED : RUEA19 BLACK : RUEA17
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6

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E.STORE



EQUIPMENT

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INDEX

DIGITAL

ESSIBOX
EASY, QUICK AND 100% DIGITAL ANAMNESES

SCREENING

VISION SCREENER VISIOSMART 500
SELF SERVICE FAST SCREENING & TRAFFIC GENERATOR FOR OPTICIANS

VISION SCREENER VISIOSMART
THREE SCREENING SOLUTIONS FOR UNIQUE WAYS OF OPERATING

VISION SCREENER VISIOTEST
EASY TO USE, PORTABLE & RELIABLE VISION TESTING SOLUTION

DIAGNOSIS & CONSULTATION

PRE-SCREENING EYEVIZ 300
DIGITALIZED OBJECTIVE BINOCULAR VISION ASSESSMENT

LIGHT MANAGEMENT LUMIZ 100
ASSESS LIGHT SENSITIVITY QUICKLY AND EFFECTIVELY

OPTICAL BIOMETER MYOPIA 700 EXPERT
YOUR TRUSTED PARTNER FOR MYOPIA MANAGEMENT

FUNDUS CAMERAS RETINA 800
STREAMLINE RETINAL SCREENING IN YOUR PRACTICE

FUNDUS CAMERAS RETINA 550
COMBINING RETINA 400 FEATURES WITH ASSISTED FOCUS AND INTERNAL FIXATION POINTS

FUNDUS CAMERAS RETINA 400
SIMPLE AND FLEXIBLE SOLUTION FOR HIGH DEFINITION RETINAL IMAGERY

OPTICAL COHERENCE TOMOGRAPHY (OCT) OCT 500
A FULLY AUTOMATED OCT WITH TRUE COLOR FUNDUS CAMERA & ANGIOGRAPHY

NON-CONTACT TONOMETER ATNC 550
AN INDISPENSABLE DEVICE IN THE GLAUCOMA DECISION-MAKING PROCESS

CORNEAL TOPOGRAPHER CORNEA 550
PRECISE DIAGNOSIS AND EFFORTLESS CONTACT LENS FITTING

PREMIUM SLIT LAMPS AND DIGITAL CAMERA SL 550
THE PROFESSIONAL SOLUTION FOR COMPLETE EXAMINATIONS OF THE ANTERIOR EYE STRUCTURE

PREMIUM SLIT LAMPS AND DIGITAL CAMERA SL 500
DESIGNED TO OFFER HIGH PERFORMANCE IN CONTACT LENS FITTING

SLIT LAMPS SL 450 SL 400
ESSENTIAL FEATURES TO FIT MOST EYES

REFRACTION

SLIT LAMPS SL 350 SL 300
ENSURING PRECISION AND SHARPNESS OF DETAIL

PHOROPTERS VISION-S 700
IMMERSIVE REFRACTION STATION

PHOROPTERS VISION-R 700
FAST AND SECURED REFRACTION

PHOROPTERS VISION-R 800
REINVENTING REFRACTION

PHOROPTERS APH 550
HIGH-END AUTOMATIC PHOROPTER FOR SPEED, PRECISION AND COMFORT

PHOROPTERS MPH 150
AN EFFICIENT SOLUTION FOR YOUR REFRACTION ROOM

WAVEFRONT ABERROMETERS WAM 800
FULL ANTERIOR CHAMBER ANALYSIS AND EYE STRAIN ASSESSMENT

WAVEFRONT ABERROMETERS WAM 700+
AUTOMATIC SCREENING SOLUTION TO STREAMLINE YOUR PRACTICE

AUTO KERATO-REFRACTOMETERS

AKR 750
FAST, ACCURATE, FULLY AUTOMATIC. IDEAL SOLUTION TO DELEGATE MEASUREMENT



AUTO KERATO-REFRACTOMETERS

AKR 550
QUICK AND EASY-TO-USE. ADVANCED REFRACTIVE MEASUREMENT



AUTO KERATO-REFRACTOMETERS

AKR 300
CONVENIENT AND EASY-TO-USE. OBJECTIVE REFRACTION



LENSMETER

ALM 800
UNIQUE COMBINATION OF THE LATEST TECHNOLOGIES



LENSMETER

ALM 700
INTUITIVE AND PRACTICAL LENS METER FOR RAPID AND ACCURATE MEASUREMENT



LENSMETER

ALM 500
MEASUREMENT OF ALL TYPES OF LENSES AND FRAMES



TEST PROJECTOR AND SCREENS

VISION-C 600
VISUAL COMFORT FOR THE PATIENT. EASE AND FLEXIBILITY FOR THE ECP



TEST PROJECTOR AND SCREENS

CS POLA 600
WIDE CHOICE OF ETDRS OPTOTYPES WITH MULTIPLE POLARIZED TESTS



TEST PROJECTOR AND SCREENS

CS 550
A SCREEN TO EASILY MEASURE VISUAL ACUITY



TEST PROJECTOR AND SCREENS

CP 550
A MUST FOR LED TECHNOLOGY



OPTOMETRIC ACCESSORIES

MEYE STORE
SOLUTIONS FOR ACCURATE AND PRECISE VISUAL ASSESSMENT



FURNITURE

REFRACTION UNITS

OST 350
OPHTHALMIC REFRACTION UNIT FOR ADVANCED PRACTICE



REFRACTION UNITS

OST 250 OST 250H
ERGONOMIC AND COMFORTABLE. MOTORIZED REFRACTION UNIT FOR DAILY USE



REFRACTION UNITS

OST 200
HIGH COMFORT REFRACTION UNIT FOR DAILY USE



REFRACTION UNITS

OST 100 OST 150
COMPREHENSIVE REFRACTION UNIT FOR LIMITED SPACES



MOTORIZED SIDE TABLES AND STOOLS

TAM 70
MOTORIZED TABLE FOR TWO INSTRUMENTS



MOTORIZED SIDE TABLES AND STOOLS

TAM 60
MOTORIZED TABLE FOR ONE INSTRUMENT



MOTORIZED SIDE TABLES AND STOOLS

TAM 50
MOTORIZED TABLE FOR ONE INSTRUMENT



MOTORIZED SIDE TABLES AND STOOLS

STOOLS
CHROME FIVE-STAR BASED



EQUIPMENT

WEB SITE
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