

Full Product Catalog



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Over A Century of Innovation

We have been manufacturing ophthalmic instruments since 1917 and we continue to lead the market with our innovative instruments. This has been achieved through our continuous program of customer involvement in the design process to ensure our instruments meet the rigorous demands of daily practice.

UK manufacturer

We still manufacture and assemble our instruments in the UK. We combine optical precision, high-quality illumination, ergonomic design, and lightweight, durable materials to provide you with the best possible choice of equipment.

Reliability

To confirm our commitment to quality, our manufactured devices carry up to three years warranty; please see our website or individual user instructions for full details.

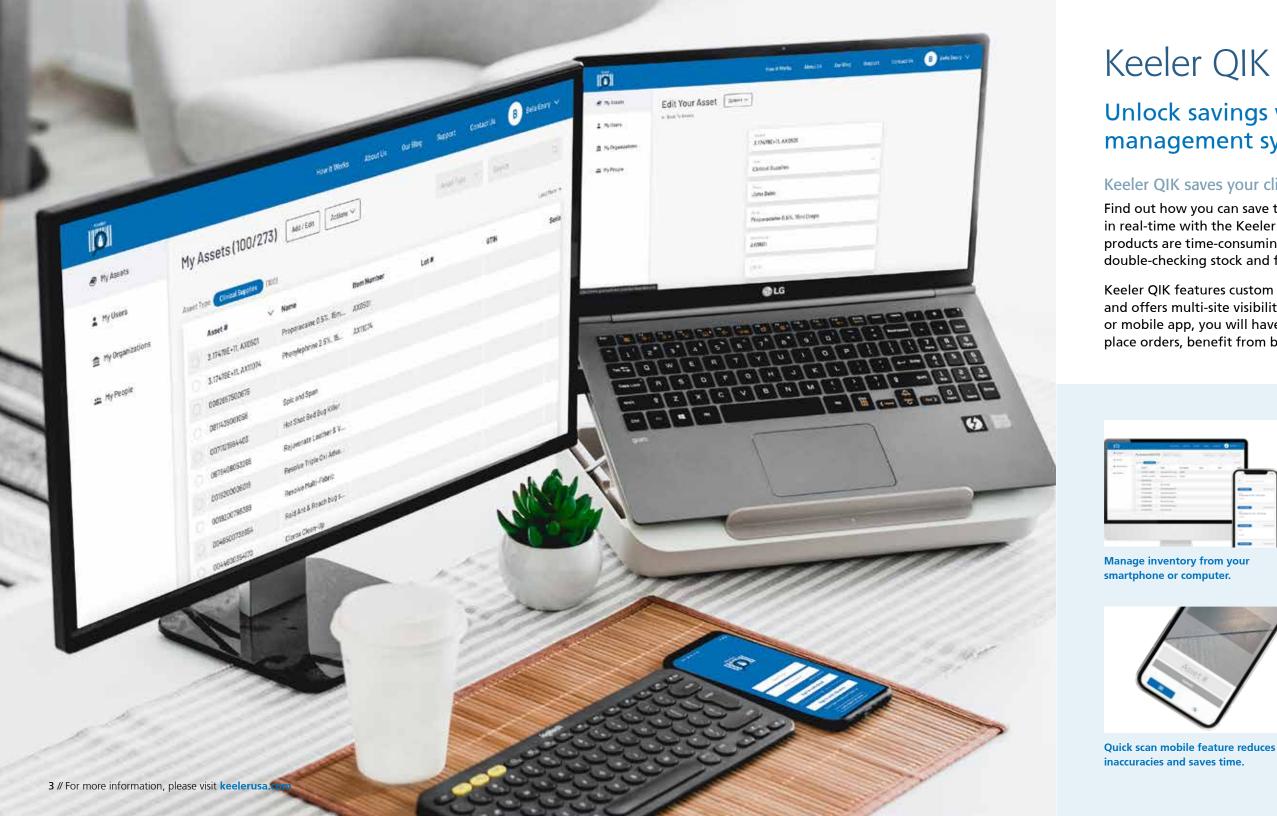
Service

Our technical service team and our authorized distributors will carry out repairs and routine maintenance to your equipment. We offer a service exchange plan that covers most direct and indirect ophthalmoscopes. This is a quick and economic way of keeping your instruments in top working order.

Quotations can be supplied upon request.



2 // For more information, please visit keelerusa.com



Keeler QIK

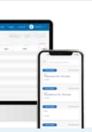
Unlock savings with our inventory management system

Keeler QIK saves your clinic time and money

Find out how you can save time and money by managing your product levels in real-time with the Keeler QIK. Manual processes for tracking and ordering products are time-consuming, and in a busy clinic, your bandwidth for double-checking stock and finding cost efficiencies is limited.

Keeler QIK features custom stock level alerts triggered by product scanning and offers multi-site visibility as needed. Accessed through our online portal or mobile app, you will have access to product details and pricing to quickly place orders, benefit from bulk discounts and reduce product admin.

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My Buildings (
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Keeler Demo Clinie

Multi-site visibility simplifies product management and bulk ordering.

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Low stock level alerts ensure clinics can run at full capacity.



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Live tracking allows you to build orders as you go, reducing manual processing and admin time.

Visit <u>www.keelerusa.com/qik</u> to sign up!



Biologics

Promote corneal healing with Opticyte

Opticyte, manufactured by Merakris Therapeutics, is biological tissue derived from human amnion that has been gently processed without crosslinking reagents, and sterilized using a significantly lower dose of irradiation compared to other commercial grafts.

This customized process yields a graft that is optimized for use by ophthalmic professionals as a biological bandage that protects and provides a protein-rich extracellular matrix. Primary indication is for homologous use, covering and protecting:

- Pterygium excisions



References

3.

- Fukuda K et al. Differential distribution of subchains of the basement membrane components type IV collagen and laminin among the amniotic membrane, cornea, and conjunctiva. Cornea. 199;18:73-79. 2
- Tseng SCG et al. Amniotic membrane transplantation with or without limbal allografts for cornea surface reconstruction in patients with limbal stem cell deficiency. Arch Ophthalmol. 1998;116:431-441. "Amniotic Membrane Transplantation" EyeWiki, American Academy of Ophthalmology, December 19, 2017, http://eyewiki.aao.org/Amniotic_Membrane_Transplant#Procedure.
- 4. Tseng SCG et al. Amniotic membrane suturing techniques. 2007. Springer Berlin Heidelberg.

5 // For more information, please visit keelerusa.com

Opticyte Amniotic Ocular Matrix

- Corneal and stromal ulcerations
- Dry eye/recurrent corneal erosion
- Conjunctiva surface reconstruction²
- Enhancing epithelialization in limbal stem cell deficiency or epithelial defects³

Processed Amnion Histology and Microscopy



Procedure

Opticyte Ocular Matrix can be easily secured to the ocular surface by:

- Bandage contact lenses⁴
- Biologic tissue adhesive

Safety and quality

Opticyte is processed at an FDA-registered and AATB-accredited institution, providing clinicians a safe and high-quality tissue product for use in ophthalmic procedures.

Part Numbers



- AM-OP1008 8mm diameter
- AM-OP1010 10mm diameter
- AM-OP1012 12mm diameter
- AM-OP1014 14mm diameter
- AM-OP1016 16mm diameter



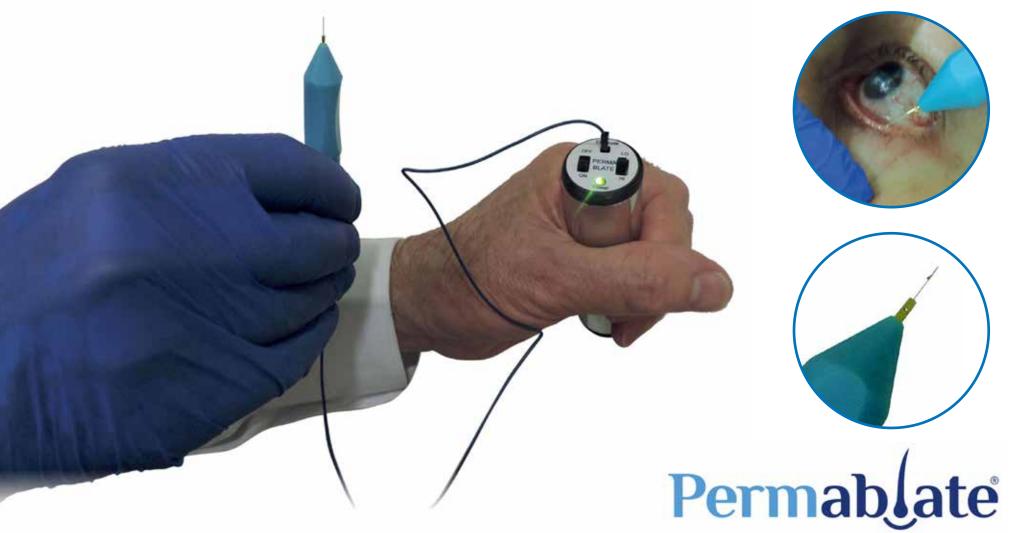
- AM-OPS-011 1cm x 1cm
- AM-OPS-012 1cm x 2cm

Electrolysis – Remove Ingrown Eyelashes

Permablate[®] Electrolysis Device

Eye care professionals can now treat trichiasis and distichiasis with the disposable and sterile Permablate. The Permablate device ablates the germinal follicles of ingrown eyelashes and eyelid margin metaplastic hairs.

The Permablate has a sterile, single-use, gold-plated needle which transmits the therapeutic current; generated by a re-usable battery pack. The low-voltage battery offers both low (0.2m Amp) and high (0.5 mAmp) settings for customizing treatments. This device performs galvanic hair removal (electrolysis) and is intended for use by gualified medical professionals.



An electrical current flows from the active, negatively charged needle electrode to the positive charge of the patient-held battery pack. The strong polarity around the needle electrode produces hydroxide ions, which necrose tissue. The needle is extremely thin (100 microns diameter), allowing for precision. Inadvertent overtreatment with unnecessary necrosis of cells external to the follicle is avoided. Needle application must be for sufficient time that all of the germinal follicle cells have necrosed, so that the hair can be removed without force, unlike the temporary treatment of epilation/plucking.

in a hair follicle.

The battery has adjustable current settings which provide for customized treatment, reducing the risk of unnecessary collateral damage occurring from over-treatment. The LOW (0.2 mAmp) and HIGH (0.5 mAmp) electrical current strengths provide for the variation in tissue response which has been observed in different patients, as well as for the different sizes of ingrowing eye lashes and eyelid margin metaplastic hairs which are to be ablated. The battery is low-voltage, re-usable and re-chargeable.

What comes in the kit?

The kits come in a hard blue, hinged case with a handle. Five individually wrapped sterile probes, a battery, and USB charger cord with wall charger is included in each kit.

How does Permablate work?

What does Permablate offer?

Permablate is a precise, portable and affordable device for successfully and permanently ablating the germinal cells

The needle is **single-use, sterile and disposable**, offering optimal safety in preventing patient-to-patient transmission of disease. In addition, the needle is gold-plated, ovoid, and extremely thin, allowing for a smoother, easier insertion alongside the hair into its follicle.

Part Numbers

- PEU-K01 Permablate electrolysis kit
- PM001 Permablate electrolysis disposable probes – 5 pack







Re-chargable battery

USB Battery char



Keeler Slit Lamps

lead it

11

The Keeler slit lamp has emerged as the newest product in our ophthalmic family, designed with you and your patients in mind. We designed it to be a visually pleasing, customizable device using our tried-and-tested optics and everything that the Keeler name stands for.

KSL-H KSL-Z

Keeler optics

We have spent decades perfecting our optics design to produce some of the clearest and sharpest images on the market today. Manufactured in-house, every Keeler slit lamp (KSL) comes equipped with our world-class optics to produce stunning images for clearer and more accurate examination results.

Product configurability

Visual aesthetics

Value for money

The KSL is a top-quality product that won't break the bank. With mid-range pricing, stunning optics, unique design, and quality performance, the KSL provides a cut above the rest in its price range.

Market adaptability

We have worked hard to create a product that can adapt to fit the market and consumer needs through design, configurability, and digital solutions.

Other third-party accessories, ranging from imaging adaptors to software, are constantly being added to the portfolio to give end users one of the most adaptable slit lamps on the market. Not only do we sell slit lamps under the Keeler name but we also provide OEM solutions using engineering expertise.

We aim to be flexible with your needs, therefore each slit lamp can be configured to your liking. From number of magnification settings to digital or traditional systems, you can adjust many different features. Along with this, third-party accessories provide even more options for digital solutions in order to get the most out of your slit lamp.

Line up different brands of slit lamps side-by-side, and you will immediately be able to pick the KSL out of the bunch. With its silver paint, the KSL stands out amongst the other slit lamps in the market.

Keeler

Slit lamp naming codes

The Keeler slit lamp (KSL) naming scheme has been developed to provide a description of the product configuration within the name itself. The following section provides the naming scheme as well as tables containing the part numbers associated with each code.

Product range name	Slit lamp style (choose one)	Slit lamp drum type (choose one)	Slit lamp configuration (choose one)
KSL (Keeler Slit Lamp)	н	5	Traditional – No Code
	H-Style	5-Step Drum	DR
	(OR)	(OR)	Digital Ready
	z	3	D
	Z-Style	3-Step Drum	Digital
FOR EXAMPLE, IF YOU CHOO	SE A TRADITIONAL H STY	LE SLIT LAMP WITH 3 DRUM MAG	NIFICATION, THE CODE IS KSL-H3

Description	Product name
H-STYLE // TRADITIONAL // 5-STEP DRUM	KSL-H5
H-STYLE // DIGITAL READY // 5-STEP DRUM	KSL-H5-DR
H-STYLE // DIGITAL // 5-STEP DRUM	KSL-H5-D
H-STYLE // TRADITIONAL // 3-STEP DRUM	KSL-H3
H-STYLE // DIGITAL READY // 3-STEP DRUM	KSL-H3-DR
H-STYLE // DIGITAL // 3-STEP DRUM	KSL-H3-D
Z-STYLE // TRADITIONAL // 5-STEP DRUM	KSL-Z5
Z-STYLE // DIGITAL READY // 5-STEP DRUM	KSL-Z5-DR
Z-STYLE // DIGITAL // 5-STEP DRUM	KSL-Z5-D
Z-STYLE // TRADITIONAL // 3-STEP DRUM	KSL-Z3
Z-STYLE // DIGITAL READY // 3-STEP DRUM	KSL-Z3-DR
Z-STYLE // DIGITAL // 3-STEP DRUM	KSL-Z3-D



Image capture software

Keeler Konnect[™] software is a simple, affordable imaging solution that provides the tools you need to easily enhance eye examinations. The intuitive design features an easy-to-use interface, removing unnecessary complexity so that you can focus on providing the best possible service to your patients. The controls are highly intuitive with only the essential components included to make adjustments within the dashboard simple and effective. Designed for both new software users and those who are more experienced, Keeler Konnect offers a streamlined experience for all. Details can be found on our website: www.keelerusa.com.



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Keeler Certified slit lamp accessories

In order to enhance the user experience to the best of our ability, we offer a variety of "Keeler Certified" slit lamp accessories to improve image quality, capture methods, and analysis.

TTI beam splitter adaptor with Canon SLR camera

The TTI beam splitter and camera adaptor will allow users to connect a Canon EOS camera directly to their slit lamps. The camera, combined with the connected beam splitter, gives strikingly clear images from the slit lamp. Cameras range in resolution from 18.1 to 24.1 megapixels (depending on the camera) with a removable prism in the beam splitter to have 100% of the light transmitted. An optional foot switch is included for image capture.

For more information or to order, visit ttimedical.com or email Ross Howes at rhowes@ttimedical.com.



Keeler

PART NUMBERS

Extra large slit lamp breath shield

This Keeler manufactured breath shield provides both clinician and patient protection while still allowing easy use of the slit lamp. Sitting between the binoculars and the magnification block, this breath shield is compatible with any Keeler slit lamp, as well as any slit lamp with a 70mm (diameter) dovetail joint. It is made of clear plastic with a 1.5mm thickness. The overall size measures 13.7" x 13.7" – allowing the clinician to easily reach around the shield to use a lens during the exam.

PART NUMBER

• EP39-80753 – Extra large slit lamp breath shield



PART NUMBERS

Teaching tube and beam splitter

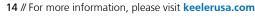
For use in university or teaching settings, this device allows an observer to look through the oculars from a side observation tube while someone else looks through the eyepieces and controls the slit lamp.

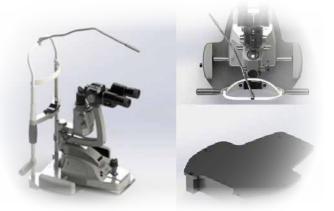
• 10.02.03.613 – Observer tube • 10.02.13.309 – Beam splitter

Slit lamp mounting plate

The mounting plate is recommended for any installation on a refraction unit. It removes the possibility of misalignment when mounting runners and chinrest assembly directly to a unit and reduces the amount of time required for the installation.

• EP29-27118 – Stand-alone plate (price separately; different part number with slit lamp included)







Portable Slit Lamps (PSL)

Versatility and portability are the key benefits of the PSL One and PSL Classic slit lamps. We designed and manufactured them with the strength to withstand the daily traumas of the demanding ophthalmic environment. Both PSL models are lightweight, durable, and robust.

Advanced optics

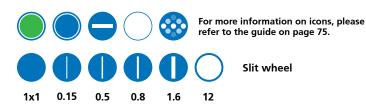
Choose between 10x and 16x magnification with the Classic, or 10x magnification with the One. Top guality, multi-layered glass is crafted into our multi-element and multi-layer coated optics to give maximum performance. Clarity is guaranteed.

Controllable illumination

Illumination levels are controlled by a rheostat, giving you control of your examination parameters. From zero to maximum, you choose.

Big slit lamp features, portable usability

Unique features such as the fixation targets, and the 1mm square light patch for assessing anterior chamber flare set the new standard for portable slit lamps.



Carrying case

Protect your investment with a strong, aluminum carrying case – perfect when your slit lamp is not in use or when you are traveling.





KSL-H (traditional) with LED illumination

3 STEP MAGNIFICATION DRUM

5 STEP MAGNIFICATION DRUM

KSL-H-DR (digital ready) with LED illumination

3 STEP MAGNIFICATION DRUM

5 STEP MAGNIFICATION DRUM

3 STEP MAGNIFICATION DRUM

5 STEP MAGNIFICATION DRUM

- 3020-P-2010 KSL-H5-D, table model • 3020-P-2015 – KSL-H5-D, refraction model (with mounting post)

KSL-Z (traditional) with LED illumination

3 STEP MAGNIFICATION DRUM

- 3020-P-2043 KSL-Z3, refraction model (with mounting post)

5 STEP MAGNIFICATION DRUM

- 3020-P-2051 KSL-Z5, table model
- 3020-P-2052 KSL-Z5, refraction model (with mounting post)

Slit lamp part numbers

• 3020-P-2090 – KSL-H3, table model • 3020-P-2091 – KSL-H3, refraction model (with mounting post)

- 3020-P-2007 KSL-H5, table model
- 3020-P-2013 KSL-H5, refraction model (with mounting post)

- 3020-P-2096 KSL-H3-DR, table model • 3020-P-2097 – KSL-H3-DR, refraction model (with mounting post)
- 3020-P-2020 KSL-H5-DR, table model • 3020-P-2021 – KSL-H5-DR, refraction model (with mounting post)

KSL-H-D (digital) with LED illumination

• 3020-P-2094 – KSL-H3-D, table model • 3020-P-2093 – KSL-H3-D, refraction model (with mounting post)

- 3020-P-2042 KSL-Z3, table model

KSL-Z-DR (digital ready) with LED illumination

3 STEP MAGNIFICATION DRUM

- 3020-P-2030 KSL-Z3-DR, table model
- 3020-P-2031 KSL-Z3-DR, refraction model (with mounting post)

5 STEP MAGNIFICATION DRUM

- 3020-P-2038 KSL-Z5-DR, table model
- 3020-P-2040 KSL-Z3-DR, refraction model (with mounting post)

KSL-Z-D (digital) with LED illumination

3 STEP MAGNIFICATION DRUM

- 3020-P-2045 KSL-Z3-D, table model
- 3020-P-2046 KSL-Z3-D, refraction model (with mounting post)

5 STEP MAGNIFICATION DRUM

- 3020-P-2054 KSL-Z5-D, table model
- 3020-P-2055 KSL-Z5-D, refraction model (with mounting post)

Kapture software, upgrades, & review stations

- 3020-P-7036 Kapture Lite
- 3020-P-7038 Kapture Digital
- 3020-P-7042 Upgrade Kapture Lite to Digital
- 3020-P-7045 Kapture View
- 3020-P-7046 Kapture View Plus

PSL slit lamps

- 3010-P-2000 PSL Classic
- 3010-P-2001 PSL One

PSL accessories

- 3010-P-7000 PSL carrying case
- 1030-P-7195 PSL LED replacement module (instead of bulb)
- 3010-P-5026 Base charger for PSL Classic
- 1030-P-7187 Replacement bulb (6 volts, 15 watts)
- EP59-47130 Replacement lithium battery
- 3010-P-7004 Replacement eye caps (2)
- EP39-70737 Test bar





Since 1958, when we introduced the Fison, our first binocular indirect ophthalmoscope, we have developed a reputation as the innovator in the development and manufacturing of indirect ophthalmoscopes. In 2003, we introduced the first Keeler "wireless" indirect ophthalmoscopes available on our All Pupil or Vantage models. Wireless gives you the freedom to move from room to room without any constraints – no more wires, cords, or tangles – just a lightweight, balanced, and comfortable indirect ophthalmoscope. When you choose a Keeler indirect ophthalmoscope, you are guaranteed the following standard benefits in all of our instruments.

Keeler optics

Our optics are specially coated and individually laser aligned to provide the sharpest, clearest images every time you use your indirect.

Comfort and balance

during long examinations.

Easy-fit illumination

Binocular Indirect Ophthalmoscopes

Lightweight materials are used throughout the design of each unit; combined with soft cushioning and a non-slip headband to maximize comfort and balance. These features will be particularly important

Our indirects have been designed to ensure optimal performance. LED modules and bulbs are easily accessible and guick to change.

Adjustable brilliant illumination

Why have all of the controls on the wall when the unit is on your head? On the All Pupil II and Vantage, the illumination rheostat is located on the headband; providing easily accessible, fully controllable light. Our indirects have the brightest illumination but can be turned down to as low as 2%.

IR/UV filters

You are always 100% protected with our IR/UV filters that are built into the optics. LED products emit no harmful UV or IR wavelengths.

Wide-angle diffuser

The wide-angle diffuser eliminates shadows on the edge of the condensing lens, which will expand the field of view significantly. This is particularly useful during difficult and peripheral examinations. There is also less discomfort for the patient, because the light is softer.



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Vantage Plus LED Digital

Digital imaging anywhere you want it

As the world leader in binocular indirect technology, we lead the way with the first digital binocular indirect system by moving away from analog video with true digital imaging. Utilize the Vantage Plus LED Digital in your office, operating room, teaching facility, or anywhere you want to capture digital images.

The intuitive and powerful Keeler software allows you to use your laptop, tablet, or any USB interface to optimize the examination by providing still or dynamic images that aid in the documentation and diagnosis of your patient.

Increase your practice profile by educating your patients and their families with digital dynamic imaging in your office.



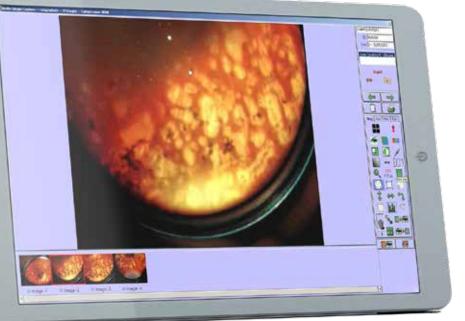
USB INTER

KEELER SC

OPERATIN

PART NUN

INCLUDES





ERFACE	Plugs into any laptop or computer system; record exams in digital format
SOFTWARE	For still or dynamic imaging, storage, and documentation
NG SYSTEM	Windows 7 and Windows XP
MBERS	1205-P-5010 – Vantage Plus LED Digital wireless ophthalmoscope system 1205-P-7001 – Optional footswitch
S	Docking station, power supply, additional slimline polymer battery, Keeler software, remote control, and carrying case

Camera Specifications

INTERFACE	USB 2 mini B
SUPPLY	Taken from USB 2 interface
RESOLUTION	To test pattern 6 of group 2 on the 1951 USAF TEST PATTERN (conforms to MIL-STD 150A standard), when used in combination with a 20D lens
DRIVER	When installed, will work with any video package capable of receiving video input from a USB source
CONNECTOR	To connect camera to a PC, Keeler recommends a 5m long USB 2.0A to a mini 5 pin (sometimes packaged as a USB 2.0A to a mini B lead)
RANGE	The camera can be adjusted ±7 degrees

Variable working distance

FOCUS	11–24 inches	
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Adjustment

VERTICAL ADJUSTMENT	Achieved by rotating the adjustment screw on the mirror holder the image should be adjusted so that the light patch is in the center	
HORIZONTAL	Factory set adjustment	

Physical

SIZE	Approximately 50mm longer than the standard Vantage Plus	
WEIGHT	Total weight is 662g	



For more information on icons, please refer to the guide on page 75.



Vantage Plus

US Patent Number 8,132,915

LED illumination

The LED cooler color provides brighter, whiter illumination, longer battery life, and freedom from purchasing bulbs. Superior optics combined with the LED illumination provides greater detail, allowing you to find retinal pathologies that are not visible with the xenon bulb.

Slimline lithium polymer battery

The slimline lithium polymer battery weighs only 53 grams, making it comfortable and perfectly balanced. Wireless technology allows you to move from room to room and lasts up to six hours because of its combined LED illumination and lithium polymer battery.

Convertible technology

The Vantage Plus convertible technology offers you the choice between a LED for longer life and better contrast, or a traditional xenon bulb.

Quality and efficiency

The high-contrast optics combined with the neutral LED or xenon light source offer brighter and higher definition retinal images.

15% lighter

Advanced textured engineering materials provide a lighter, smaller, and more-compact instrument without compromising the renowned Keeler reputation for robustness, reliability, and guality.

Filters and apertures

IR/UV filters are built into the optics of the Vantage Plus with optional filters and a choice of three apertures, plus, a soft light diffuser.



BIO face shield

Our BIO face shields are easily attached and provide full facial protection, keeping you and your patients safe. These are now included in every BIO order.

More details on pages 71-74 in our PPE section.



Convertible technology – Interchangeable LED module and xenon bulb

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Slimline lithium polymer battery

I chose Keeler's BIO over competitors' because it is an easy fit, comfortable, and light. The portable LED lamp is spectacular. The optics and view with the lighting system is better than any other BIO I've used.

Dr. Shane Sanders, O.D.

The cooler color temperature of the LED light source resulted in a level of image clarity that I've not found in another BIO. I have been able to find retinal pathology that was not visible with the xenon bulb BIOs in our clinic.

Todd J. Purkiss, M.D., Ph.D. Ophthalmology and Visual Sciences, Kentucky Eye Care in Louisville

Intelligent Optical System (IOS) US Patent Number 8,132,915

When you change the aperture, the optics and mirrors automatically adjust for you without the need to flip another lever! We have designed this unique, single-step movement to make your examinations easier and faster. When you select the small, medium, or large aperture, the optics automatically adjust through the IOS mechanism. This provides three-dimensional stereoscopic views of the retina through all pupil sizes.

Large pupil

When looking through a large, fully-dilated pupil, the optics are separated and the light source remains in the upper position, achieving maximum stereopsis.

Intermediate pupil

When looking through an intermediate pupil, the optics and light sources are in a "mid position" for maximum stereopsis.

Small pupil

When looking through a small pupil, the viewing optics and light source are converged to allow you to view the retina through the smallest pupils stereoscopically.



HiMag Lens

Slides on and off with ease

This unique feature is only offered with the Vantage Plus indirect. It gives you a 1.6x additional magnification than with a condensing lens alone, providing superb stereoscopic images. Scratch-resistant coated optics guarantee high-quality images at all times, and the HiMag can be simply flipped out of view when not required.



Teaching mirror

the retina at the same time.

IOS Optics without obstructions



Vantage Plus IOS optics

View through Vantage Plus with IOS optics. When small pupil is selected, there is no obstruction of the retina.



Non-IOS optic system

View through non-IOS optical systems.

When small pupil is selected there is an obstruction, reducing your clinical information.



View when using a 20D lens and the Keeler HiMag lens.



View when using a 20D lens only.



The teaching mirror easily slides on and off, allowing two observers to view



HiMag Lens

All Pupil II

The All Pupil II is based on the design of the number-one selling All Pupil indirect. Look out for the features designed to make your examinations easier and more comfortable.

Go wireless

No more wires and cords – the user now has freedom to move from room to room without any constraints.

Outstanding brightness

The All Pupil II offers maximum illumination with total control. With 2,000 lux, the illumination can also be turned down to 2%.

Lightweight and comfortable

The device weighs just 520 grams, and extra padded materials have been incorporated into the headband to make this indirect extremely comfortable for all examinations.

Simple controls

The All Pupil II has a unique single control to change aperture size and position in one movement to view through all pupil sizes.

Convertible technology

All Pupil II convertible technology offers you the choice between a neutral LED for longer life, better contrast, and a white light or a traditional xenon bulb in the same product.

LED illumination

The neutral LED cooler color provides brighter, whiter illumination, longer battery life, and freedom from purchasing bulbs. Clinically, the superior optics combined with the natural LED illumination could provide greater detail, allowing you to find retinal pathology that was not visible with the xenon bulb.



For more information on icons, please refer to the guide on page 75.



LED module and xenon bulb

15% lighter

Filters and apertures

Quality and efficiency

The high-contrast optics combined with the neutral LED or xenon light source offers brighter high-definition retinal images.





Convertible technology – Interchangeable

LED module and bulb installation

Teaching mirror attachment

Slimline lithium polymer battery

The slimline lithium polymer battery weighs only 53 grams, making it comfortable and perfectly balanced. Wireless technology allows you to move from room to room and lasts up to six hours because of its combined LED illumination and lithium polymer battery.

Advanced textured engineering materials provide a lighter, smaller, and more compact instrument without compromising the renowned Keeler reputation for robustness, reliability, and quality.

IR/UV filters are built into the optics of the All Pupil II with optional filters and a choice of three apertures, plus a soft light diffuser. The built-in IR/UV barrier guarantees improved patient protection and safety.



BIO face shield

Our BIO face shields are easily attached and provide full facial protection, keeping you and your patients safe. These are now included in every BIO order.

More details on pages 71-74 in our PPE section.



Spectra Iris

Little indirect, bigger benefits!

The Spectra Iris has been specifically designed as a compact, lightweight, and portable indirect with big benefits for professionals on the move. It can be tucked away in its carrying case or hung around your neck when not in use. You can also adjust the size of the aperture at the touch of a slider.

Keeler sport frame

Flip-up optics

Single-movement hinge

The hinge allows the Spectra Iris to sit closer to your eyes for a better view and a more comfortable fit.

For more information on icons, please refer to the guide on page 75.

Spectra Iris comes on the new Keeler Sport Frame. This wrap-around frame is not only attractive but provides maximum comfort and balance.

LED long-lasting illumination

No more bulbs, just a long-lasting, white homogenous light patch that can be used for up to four hours continuously.

The whole optical box and light pod can be flipped up, allowing direct eye contact when talking to patients or for writing notes.

Keeler

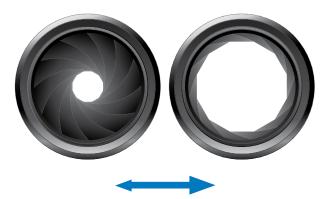


Teaching mirror attachment

Adjustable Aperture Slider

Now you can adjust the aperture simply by moving the slider. Slide to the right to increase aperture size, and slide to the left to decrease it. The aperture range is from 20mm to 60mm.





Wireless power supply options

Keeler wireless technology allows you to move from room to room without any constraints. The chargers are either desktop or wall mountable, and they hold an extra lithium battery as a back-up.

Slimline wireless charger

The desktop or wall-mountable charger remains as durable as the standard wireless with the facility to store your extra battery in the top compartment. The charger has an easy-release button to remove the extra battery. LED indicators show the level of charge in both batteries when BIO is docked and the spare battery is clipped in back.



Lithium-ion battery

- Lightweight six ounces (171 grams)
- For use with Spectra Plus and Spectra Iris
- Fully charges in two hours
- Usable charge in five minutes

Wall pack

The wall pack is used to mount your indirect to the wall and has a built-in microswitch.



Universal power plug

Smart pack

The smart pack is a stylish power supply system that combines three options in one product. No longer will you need to purchase a portable system for domiciliary use, another system for mounting on your wall, and another for tabletop use. All you need now is a smart pack for your Vantage Plus or All Pupil II.



Double lithium-ion charger

Slimline wireless charger

Mini lithium-ion charger

The cord used to power the slimline wireless charger can also be used across our entire product line (with the exception of our cryo units). This allows you to easily swap out power cords from your PSL to your duo charger, or even your Pulsair Desktop. We try to make our products as convenient to use as possible, and our power source is no different.

Features

- Lightweight
- 120 minutes of continuous use
- Fully charges in two hours
- Indirect can be used while charging
- Usable charge in five minutes
- Shows the state of your battery





Part numbers for indirects, power supplies, and accessories

Vantage Plus LED Convertible indirect ophthalmoscope

Wired and wireless units come with an LED module, HiMag lens, and dimmer control.

- 1205-P-1010 Wired headset only (no battery/charger)
- 1205-P-1020 Slimline wireless headset with charger and (2) batteries
- 1205-P-1014 Slimline wireless headset only (no battery/charger)

Vantage Plus LED Digital indirect ophthalmoscope

- 1205-P-5010 Wireless headset with Kapture Lite video software, docking station, power supply, (1) extra battery, and carrying case
- 1205-P-5010-001 Wireless headset with NO SOFTWARE. Docking station, power supply, (1) extra battery, and carrying case included.
- 1205-P-7005 Optional Dell E5420 Notebook
- 1205-P-7009 Optional Surface 3 tablet with power supply and carrying pouch
- 1205-P-7001 Optional footswitch

All Pupil II Convertible indirect ophthalmoscope

All Pupil II wired and wireless units come with a dimmer control.

BULB ILLUMINATION

• 1204-P-3100 – Wired headset with 10w halogen bulb

LED ILLUMINATION

- 1205-P-2000 Slimline wireless headset with charger and (2) batteries
- 1205-P-2003 Slimline wireless headset only (no battery/charger)

Spectra Iris indirect ophthalmoscope

Spectra Iris comes with the optics, frame, lithium power pack, and charger.

- 1205-P-2012 Spectra Iris on black sport frame, small temples (130mm)
- 1205-P-2010 Spectra Iris on black sport frame, regular temples (135mm)
- 1205-P-2011 Spectra Iris on black sport frame, large temples (150mm)

Power supplies for wired indirects

- 1945-P-1001 Smart pack
- 1945-P-1000 Wall pack
- 1941-P-5385 Spectra Plus/Iris lithium charger and power supply
- 1919-P-5215 Spectra Plus/Iris lithium battery with rheostat

Other accessories

- 1012-P-7008 All Pupil II LED module
- 1012-P-5276 Vantage Plus LED module
- 1202-P-7205 Vantage Plus teaching mirror
- 1202-P-7117 All Pupil II teaching mirror
- 1205-P-7000 Spectra teaching mirror
- EP39-22079 Smart pack battery
- 1201-P-6076 Pencil-type depressor
- 1201-P-6075 Small depressor
- 1201-P-6067 Large depressor

CASES

- 3412-P-7002 Spectra Iris soft case
- 3412-P-7000 Vantage Plus or All Pupil II professional 3-in-1 carrying case. Easily convert from roller case to a handheld backpack.



Depressors



TonoCare

We are delighted to present our most advanced handheld tonometer to date. The TonoCare is set to revolutionize the handheld market. Designed and built with patient comfort in mind, the TonoCare is truly simple to use and gives consistently fast, accurate and reliable readings. Whatever the mobility of the patient and wherever it's being used, the TonoCare offers exceptional performance time and time again.

Using air saves you money

Rebound tonometry can get expensive! In addition to the base cost of a rebound tonometer, disposable pins have to be purchased on a regular basis. Each patient requires two pins, one per eye, to prevent cross contamination. If a practice sees one patient a day, they are purchasing 624 pins a year. A practice that sees 40 patients a day purchases at least 24,960 pins per year. The cost for that many pins is exorbitant.

Why spend that much money when you don't have to? The TonoCare uses air puff technology, eliminating any re-occurring costs. Not only is the air free, but there is no risk of cross contamination between eyes.

Features

- Ease of use Easy-to-follow instructions and intuitive controls ensure easy training. The lightweight, yet robust, handheld form means it guickly and easily adaptable to be used in many different environments.
- Patient comfort The highly portable unit allows measurements to be taken wherever the patient is most comfortable. The sleek product profile means the clinician can maintain visual contact with the patient throughout the measurement process.
- Accuracy Uses advanced optical and sensor technology for positional detection and puff control. Clear user controls and a colored internal display combine to provide exceptional usability.
- Speed of use Ready to use in less than 10 seconds after being switched on; readings for both eyes can be achieved in 30 seconds.
- Patient safety Ensures a minimal risk of eye damage or cross contamination.

Specifications

MEASUREME MEASUREME EQUIPMENT INPUT VOLTA POWER RATI PC INTERFAC WIDTH DEPTH

PART NUMBE



ENT RANGE	5mmHg to 50mmHg
ENT DISTANCE	~11mm from eye
STANDARD	Conforms to BS EN ISO 8612
AGE RANGE	The camera can be adjusted ±7 degrees
NG	4.6 – 7.4VA
CE	USB
	136mm (hand unit) 155mm (docking station)
	206mm (hand unit) 183mm (docking station)
ER	2418-P-2000 – TonoCare

Classifications & safety standards

COMPLIES WITH	EN60601-1, UL60601-1
EQUIPMENT CLASSIFICATION	Class II
MODE OF OPERATION	Continuous
PROTECTION AGAINST INGRESS	IPX0 (Hand Unit and Docking Station)

Environmental Conditions

OPERATING TEMPERATURE	+50°F to +95°F (+10°C to +35°C)
STORAGE TEMPERATURE	-50°F to +131°F (-10°C to +55°C)
RELATIVE HUMIDITY	10% to 95% (storage) 30% to 90% (operating)
ATMOSPHERIC PRESSURE	700hPa to 1060hPa (storage) 800hPa to 1060hPa (operating)

Digital display

Pulsair tonometers

In 1986, the Pulsair Tonometer revolutionized non-contact tonometry with its unique, handheld and portable system. It brought a new dimension to patient care as well as increasing the management of space and time.

Pulsair and tonometry are synonymous – the fifth generation intelliPuff handheld model combines contemporary styling together with technologies, and the Pulsair Desktop brings the Pulsair name to those requiring a chin-rest desktop device. Applanation tonometry is a widely practiced and respected technique; the Keeler Applanation Tonometer (KAT) will match that level of respect with our exceptional quality and manufacturing consistency.

Stylish and practical

Both the Pulsair Desktop and Pulsair intelliPuff have exceptional patient visualization; the slim profiles of the Pulsair optical mainframe allows the clinician to maintain visual contact with the patient at all times during the measurement process.

Engineering and design excellence

Pump, solenoid control valves, a plenum chamber, and an optical mainframe are all designed to function optimally to allow efficient and fast measurement. LED illumination provides a constant and reliable light source for the alignment camera and the positional detection systems. Pulsair tonometers are cost effective and require no sterile consumables. Printing is also under your control, so ongoing costs are managed.



Pulsair IntelliPuff

Bringing versatility to tonometry, wall-mounted or desk-mounted, the lightweight handheld optical mainframe allows the clinician to measure all patients with equal comfort. The flexibility of use and space-saving design make this instrument virtually unbeatable for performance and value.

Being handheld, Pulsair intelliPuff avoids the need to position the patient in a chinrest. It is fast and easy to use while the patient is already seated in an examination chair.





Pulsair Desktop

A small, space-saving footprint combined with the elegant, slim optical mainframe allows the Pulsair Desktop to blend seamlessly into the clinical environment. The openness of the design increases the confidence of both patient and clinician.

Comfort and speed

Less is more. This unit is uncomplicated and therefore is quick to use for the novice and professional alike. Taking control of tonometry has never been easier or faster. Clear user controls and a color video alignment screen combine to set a new standard in usability.

Sophisticated technology

Keeler Pulsair tonometers use advanced optical and sensor technology for positional detection and puff control. They have software controls to manage the measurement data; if two consecutive readings are within +/- 1mmHg of each other, the Pulsair will inform the user that sufficient readings may have been taken for that eye, saving precious time and increasing patient comfort.

Clear display screen DISPLAYED Puff tube and Puff tube lens alignment system WORKING and LED light source DIMENSION WEIGHT COMPLIES Color alignment screen POWER SUP POWER SUP FREQUENC Durable and PRINTER smart finish Seeing eye optics PART NUM Keeler joystick system

Pulsair Desktop specifications

CALIBRATED RANGE	5mmHg to 50mmHg
DISPLAYED ACCURACY	Displayed accuracy to 1 decimal place, e.g., 12.3
DISPLAYED SCALE	Single-line 16-character alphanumeric display
WORKING DISTANCE	20mm
DIMENSIONS	475 x 410 x 245mm (H x D x W)
WEIGHT	16kg
COMPLIES WITH	Electrical Safety (Medical) BS EN 60601-1:2006. Electromagnetic compatibility EN 60601-1-2:2007. Ophthalmic instruments – fundamental requirements and test methods ISO 15004-1:2006. Optical radiation hazard ISO 15004-2:2007
POWER SUPPLY UNIT	Switch mode, (110–240V) +/- 1% multi plug type compliant to EN 60601-1, EN 61000-6-2, EN 61000- 6-3
POWER SUPPLY OUTPUT	30VA (12V DC 2.5A)
FREQUENCY	50/60Hz
PRINTER	Thermal line printer
PART NUMBERS	2417-P-2000 – Pulsair Desktop tonometer 3104-L-8201 – Chinrest papers 2208-L-7008 – Printer paper roll

Pulsair intelliPuff specifications

CALIBRATED RANGE	5mmHg to 50mmHg
MEASUREMENT SCALE	mmHg (millimeters of Mercury)
DISPLAYED ACCURACY	0.1mmHg
DISPLAY	4-character dot matrix scrolling
FIRING SYSTEM	Automatic and objective
ILLUMINATION SYSTEM	LED infrared
WORKING DISTANCE	20mm
MOUNTING SYSTEM	Table/desktop/wall
BASE UNIT DIMENSIONS	260 x 215 x 220mm (H x D x W)
BASE UNIT WEIGHT	2.465Kg
HANDPIECE DIMENSIONS	315 x 150 x 46mm (H x D x W)
HANDPIECE WEIGHT	0.890Kg
CORD LENGTH	72 inches
PRINTER	Thermal line printer
PART NUMBERS	2414-P-2001 – Pulsair IntelliPuff Tonometer 2208-L-7008 – Printer paper roll



Applanation tonometers

The Goldmann principle is considered to be the most prevalent method of tonometry, as it is the most widely accepted method of determining the approximate intraocular pressure. Our manufactured applanation tonometers are designed and built to our exacting standards to give you the accuracy and quality you expect from a Keeler device. All KATs (Keeler Applanation Tonometers) are supplied with one reusable doubling prism, a calibration check bar, and either a Z-type (Zeiss), R-type, or T-type aluminium guide plate for slit lamp use.



D-KAT Z-Type 0.0 0



- Goldmann applanation principle



KAPs (Keeler Applanation Prisms)

Goldmann-style doubling prism for most applanation tonometers



Tonoclear – Single-use applanation tonometer prism





Competitor mires Tonoclear mires

A single-use tonometer prism to be used in combination with a GAT, to determine the IOP. The Tonoclear prism is designed to accommodate variations in light intensity from the slit lamp to ensure a clear view of the mires at all times. The individually packed prisms come pre-assembled to reduce any risk of a cross-contamination and hassle in your workflow.

Features

- Single-use prisms (box of 100)
- Pre-assembled
- Clear visualization of the mires
- Attenuating sleeve to reduce sensitivity to light variations
- Individually packaged and sterilized with Ethylene Oxide
- Sterilization validity for 3 years
- Compatible with all GATs

T-Type guide plate

KATs (Keeler Applanation Tonometers)

- Reliable and repeatable applanation tonometry
- T-Type or R-Type available
- Designed to withstand the test of time and deliver reliable results year after year

R-Type mounting post



Applanation tonometer specifications

IEASUREMENT FORCE	By leverage weight	
NSTALLATION		
Keeler T-Type for tower illumination slit lamps	Fitted to the guide plate on the optical axis for the microscope and illumination unit arm	
Keeler R-Type for tower illumination slit lamps	Mountable on a post fitted to the microscope optical body	
IEASUREMENT RANGE	0–80mmHg (0–10.64 kPa)	
APPROXIMATION OF THE IMPACT FORCE ON THE MEASUREMENT IEAD FOR A 0 TO 58,84 MN MEASUREMENT RANGE	Standard divergence: 0.49mN \leq 3s \leq 1.5% of nominal value	
PPERATING TEMPERATURE RANGE	from 10°C to 35°C	
IEASUREMENT ACCURACY	≤ 0.49mN	
IET WEIGHTS		
Keeler T-Type	0.41kg (without accessories)	
Keeler R-Type	0.69kg (without accessories)	
	2414-P-2032 – D-KAT – Digital Keeler Applanation Tonometer (T-Type)	
	2414-P-2042 – D-KAT – Digital Keeler Applanation Tonometer (R-Type)	
ART NUMBERS	2412-P-2010 – D-KAT – Digital Keeler Applanation Tonometer (Z-Type)	
	2414-P-2030 – KAT – Keeler Applanation Tonometer (T-Type)	
	2414-P-2040 – KAT – Keeler Applanation Tonometer (R-Type)	
	2414-P-7045 – Tonoclear single-use prisms (box of 100)	
	2401-P-8037 – KAT re-usable doubling prism	
CCESSORIES	2414-P-5032 – KAT T-Type guide plate	
	2414-P-5042 – KAT R-Type mounting post	
	2414-P-5005 – Calibration arm assembly	



AccuPen – Handheld applanation tonometer

The AccuPen handheld tonometer is ideal for screening IOP measurements in patients. Our gravity offset technology provides accurate IOP measurements with less calibration in any testing position. The AccuPen is accurate, easy to use, portable, and versatile, making it a must-have for any facility.

Accurate

The AccuPen's gravity offset technology provides precise IOP measurements with less calibration compared to other handheld tonometers. Micro-strain gauge technology, combined with proprietary algorithm, provides reproducible results.

Easy-to-use

An ergonomic design combined with sighting lines allows for easy visualization of the cornea, facilitating both centralization and perpendicularity. Contoured molding with large, visible LCD allows the AccuPen to be used ambidextrously and fit comfortably in any size hand.

Ready-to-use

Eliminates the constant need for "up, down, and around" calibration. Long-lasting lithium battery lasts for four to six months.

Portability

The AccuPen only weighs three ounces and comes with a custom, heavy-duty traveling case and lanyard for safe transportation.

Versatility

The gravity offset technology allows for fast measurements with patients in any position. Frees up valuable office space.

Smarter software

The AccuPen stores and averages nine measurements. The built-in IOP correction calculator adjusts IOP based on corneal thickness.

AccuTips



AccuPen specifications

ACCURACY WEIGHT DIMENSIONS TRANSDUCER DIMENSIONS **MEASUREMENT RANGE**

POWER SOURCE

ITEM NUMBER

AccuTips are designed for use with the AccuPen as well as the Reichert Tono-Pen[®]. These tonometer tip covers are used to keep your patients safe from infection due to cross-contamination.



Pachymetry

Handheld pachymeter

The PachPen is the perfect tool for testing a patient's corneal thickness with accuracy, portability, and comfort. The superior ergonomic design fits comfortably in any hand, offering a major advantage from other handheld models.

Accurate

The PachPen's 65MHz sampling probe ensures precise measurements and uses digital signal analysis to analyze wave patterns and to eliminate non-perpendicular measurements.

Easy-to-use

An ergonomic design, combined with sighting lines, allows for easy visualization of the cornea, facilitating both centralization and perpendicularity. The contoured molding with a large, visible LCD screen allows the PachPen to be used ambidextrously and fit comfortably in any size hand.

Ready-to-use

Digital ultrasound analysis eliminates the need for calibration. The long-lasting battery will last for four to six months.

Portability

The PachPen only weighs three ounces and comes with a custom heavy-duty traveling case and lanyard for safe transportation.

Versatility

The ergonomic design allows you to take fast measurements with your patient in any position. This frees up valuable office space.

Smarter software

The PachPen stores and averages nine measurements. It contains a built-in IOP correction calculator, which adjusts the IOP based on corneal thickness.



ACCURACY

WEIGHT

DIMENSION

PROBE DIM

MEASUREN

POWER SOU

ITEM NUM



PachPen specifications

Y	+/- 5 Microns
	3.0 oz.
NS	7¼″ x 1¼″
MENSION	2.5mm diameter
MENT RANGE	300–999 Microns
DURCE	3.6v lithium battery
IBER	24-5100







A-Scan Plus Connect

Features:

- Immersion and contact modes
- Industry-leading resolution
- IOL formulas including the Hoffer Q, SRK/T, Holladay I, Haigis, SRK II, Binkhorst II, as well as new post-refractive formulas
- Customizable lens, ACD and VCD materials for new emerging implant/chamber materials
- Optimized lens constants for superior surgical outcomes
- Easy to set up defaults, smooth customer interface, and automatic EMR exports to decrease examination time, increase patient throughput, and increase profit
- Automatic alignment detection and sclera recognition help eliminate marginally aligned scans
- Seamless workflow integration with IOLMaster 500 from ZEISS

Specifications

A-Const

Hotter Q

Holladay

SRK/T

Haigh

SRK II

and house

Target

- EMR capability with automatic transfer of data
- DICOM[™] ready
- Unlimited IOL lens groups
- Piggyback calculation ability for ICL implant patients
- Rx surgery calculations for an aging Lasik population
- PC-based platform
- PDF reporting



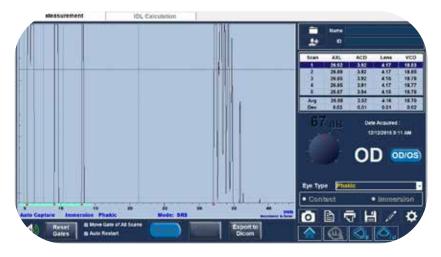
WEIGHT	0.43Kg (15.1 oz.)
DIMENSIONS	13.75cm x 9.50cm x 6.40cm (5.4" x 3.7" x 2.5")
METHODS	Immersion or contact
DEFAULT EYE TYPE SETTINGS	Phakic, Dense Cataract, Silicone Filled, Pseudo PMMA, Pseudo Silicone, Pseudo Acrylic, Aphakic
CUSTOM EYE TYPE SETTINGS	Unlimited with independent ACD, lens, VCD velocities
MEASUREMENTS	ACD, lens thickness, VCD, axial length
CAPTURE MODES	Automatic or manual
FREQUENCY	10MHz
ELECTRONIC RESOLUTION	0.016mm
CLINICAL ACCURACY	0.1mm
ITEM NUMBER	24-4400

DATA POINTS PER WAVEFORM	4,096
MEASUREMENT RANGE	0.01–63.6mm
ADJUSTABLE GAIN	30–100dB
IOL FORMULAS	Hoffer Q, Holladay I, SRK/T, Haigis, SRK II, Binkhorst II
POST-REFRACTIVE FORMULA METHODS	Clinical history, Contact Lens, Shammas Clinical
IOL DATA STORAGE	Unlimited, based on PC/network storage
PATIENT DATA STORAGE	Unlimited, based on PC/network storage
DATA EXPORT	EHR compatible, network ready
PRINTER	Any supported by PC
ACCESSORIES	USB footswitch, CD containing A-Scan Plus Connect software and manual, test block



Improved efficiency

Easy-to-use interface for fast scan capture.



Trusted accuracy

Trusted reliability and accuracy with industry-leading resolution.

B-Scan Plus

The B-Scan Plus proprietary software combined with unique probe electronics make it the premier portable high-definition B-Scan. While developing the B-Scan Plus software, we visited many of the top facilities around the world. The results are a reliable and easy-to-use unit, which can quickly scan patients and transfer information.

Features

- Superior Image 0.015mm image resolution is among the highest in the medical industry
- Improved probe providing shaper, more focused images due to the elimination of signal loss
- Unsurpassed data analysis contains 12 useful measuring calipers, including six lines, two areas, two angles, and two arrows
- Optical zoom technology allows for 2x full-image zoom without distortion of real-time or captured scan
- The portable probe can plug into any Windows-based laptop or PC
- Adjustable film loops that range from 2 to 17 seconds
- Unlimited adjustable and transferable video recording
- Fully adjustable gain control before, during, or after scan
- Connect software allows the B-Scan Plus to integrate the option for A-Scan and UBM modes for improved patient workflow
- Easy to set up defaults, smooth customer interface, and automatic EMR exports to decrease examination time, increase patient throughput, and increase profit
- Unsurpassed compact file storage
- EMR compatible
- DICOM ready
- Multiple measuring velocities for ACD/VCD
- PDF reporting
- Archive data on a network or external hard drive



Specifications

WEIGHT

FREQUENCY **AXIAL RESOLUTION** LATERAL RESOLUTION GAIN **ADJUSTABLE GAMMA** SCANNING ANGLE FIELD OF VIEW FRAME RATE PER SECOND SAMPLING RATE **VECTORS PER FRAME** FOCAL POINT FOCAL ZONE TGC

FROZEN IMAGE GAIN ADJUSTMENT

ZOOM



2x optical zoom, 8x maximum

Yes



REPORTS	Integrated Microsoft Word
SNAPSHOT FORMAT	.jpeg, .bmp, .png, .tiff, .gif
DATA ARCHIVE/EXPORT CAPABILITY	Yes
MAX. NUMBER OF FRAMES PER SCAN	256
SIZE OF CINE LOOP	16–128MB
MEASUREMENT CALIPERS	6-line, 2 area, 2 angle, 2 arrows
ACCESSORIES	Durable traveling case, probe holder, footswitch
ITEM NUMBER	24-6100

UBM Plus

The UBM Plus probe has a guarded tip to prevent damage to both the patient and the probe. The unit is used for anterior segment imaging. This unit is an incredibly portable device because the 48MHz probe plugs directly into any Microsoft Windows laptop or desktop computer. The UBM features an all-in-one probe design to eliminate signal loss and provide the sharpest images possible.

Features

- High-definition imaging Detailed structure definition, including cornea, iris, ciliary body, zonules, crystalline lens, and intraocular lens, as well as pathologies
- State-of-the-art probe design Sharper, more focused images due to the elimination of signal loss
- Unsurpassed data analysis Contains tools for measuring sulcus-to-sulcus, anterior chamber depth, positioning of intraocular lenses, and filtration angle of the eye
- Easy-to-set-up defaults, smooth customer interface, and automatic EMR exports that decrease examination time, increase patient throughput, and increase profit
- Adjustable video loop
- Full upgradeable software
- EMR compatible
- DICOM ready
- Multiple measuring velocities for ACD
- PDF reporting
- Fully adjustable gain-control before, during, or after scan
- Data archive Network or external hard drive

Specifications

WEIGHT

DIMENSIONS

FREQUENCY

AXIAL RESOLUTIO

LATERAL RESOLU

GAIN

ADJUSTABLE GAN





	6 oz.
	7" long x 1.25" diameter
	48MHz
ON	0.015mm electronic
JTION	0.05mm electronic
	0–112dB
ММА	Linear, S-Curve, Log, Color



SCANNING ANGLE	30°
FIELD OF VIEW	32mm
FRAME RATE PER SECOND	10
SAMPLING RATE	2,048 (points per line)
VECTORS PER FRAME	256
FOCAL POINT	13mm
FOCAL ZONE	4mm
TGC	Yes
FROZEN IMAGE GAIN ADJUSTMENT	Yes
ZOOM	8x maximum
REPORTS	Integrated Microsoft Word
SNAPSHOT FORMAT	.jpeg, .bmp, .png, .tiff, .gif
DATA ARCHIVE/EXPORT CAPABILITY	Yes
MAX. NUMBER OF FRAMES PER SCAN	256
SIZE OF CINE LOOP	16–128MB
MEASUREMENT CALIPERS	4 lines, 2 areas, 2 angles
ACCESSORIES	Durable traveling case, probe holder, footswitch, wireless mouse, 18mm and 20mm Immersion shells
ITEM NUMBER	24-6300-G



Ultrasound

4Sight – See it from every angle

A-Scan, B-Scan, UBM, and Pachymeter in one, easy-to-use platform

We understand the demands on today's busy clinics, which is why the 4Sight is designed to meet those needs. The 4Sight is a single solution for all ophthalmic ultrasound imaging at an affordable price. The A-Scan, B-Scan, UBM, and pachymeter have all been combined into one unit to eliminate wasted time switching modalities. The 4Sight is accurate, efficient, and affordable, making your job easier.

- Modular platform allows for mix-and-match options with a combination specific to your needs
- DICOM worklist compatible
- Easy-to-use software for all probes
- User-friendly interface with touchscreen capability
- Unsurpassed image quality
- Printer compatibility
- Mobility of probes; can be used with 4Sight or laptop
- Live help and dependable support for the life of the product
- Proprietary signal processing
- Industry-leading clinical accuracy
- Financing options available upon request

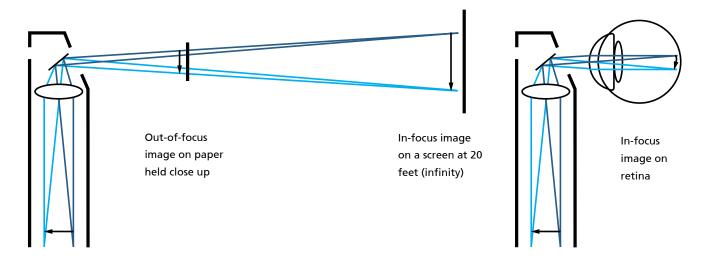




Keeler slimline handles

Handheld Instruments

A combination of optical perfection, superb ergonomics, and versatile features makes all of our handheld instruments the ideal choice. From basic examination to detailed diagnosis, there is a Keeler hand instrument for you. The next couple of pages will guide your choice, but first, please read on to discover the standard features and benefits shared by all Keeler ophthalmoscopes.



Keeler optics – the more you see, the better the diagnosis

Our ophthalmoscopes are adjusted for perfect focus where it's needed: in the eye, not on paper. Along with our wide-angle light beam and individual mirror alignment, this ensures that you will see the clearest view of the retina, regardless of the patient's pupil size.

Comfort and fit

With curved surfaces and subtle patient side marking, each ophthalmoscope has been designed to fit snugly into the orbital bone. Unlike other straight-sided brands, the contoured, curved ophthalmoscope head guarantees an optimal viewing angle and larger field of view, while the smooth line surfaces provide a non-threatening aesthetic.

Our handheld instruments have a slimline, lightweight handle with

Light, tough, and built to last

All of our ophthalmoscopes are built from resilient, lightweight materials to give you many years of trouble-free service. High-impact resistant covers combined with a strong metal chassis protect the carefully aligned optics and allow Keeler ophthalmoscopes to withstand the rigors of everyday use for years to come.

Controllable light for bright, clear images

The bright, white LED illumination is fully adjustable from zero. This ensures the comfort of your patients and the best possible diagnosis.

Reflex-free images

Individually controlled optics reduce the effect of corneal reflex while minimizing shadows and providing clearer retinal visualization.

Professional ophthalmoscope

Total control at your fingertips

The Professional ophthalmoscope has been designed to ensure ultimate control. Lenses, graticules, and filters can all be introduced at the touch of a finger. No need to pull away from the patient – the Professional makes routine examinations far easier.

IFD illumination

We recognize that illumination is of fundamental importance to good diagnoses. That's why we have selected LED illumination for our ophthalmoscopes. This brighter, whiter, and longer-lasting light will meet any diagnostic challenge! With LED, you have the power to diagnose even through cloudy media. LED technology will last throughout your career.

Positive action maywheel

The positive action, easy-access maywheel not only allows you to dial up the required lenses quickly but it also allows you to know where you are without the need to pull away from the patient.

Pocket ophthalmoscope

Portable and compact

Full diagnostic capability in a compact instrument makes the Pocket ophthalmoscope ideal for the practitioner on the move.

Portable

An ideal choice for domiciliary and ward use or as a backup.

Pocket clip

It has a strong metal clip that can be attached to a pocket; and is powered by standard AA batteries.

Swing-over filter The red-free filter for enhanced vessel examination can be used in conjunction with any of the six diagnostic beams. Brow rest The integral soft brow rest allows for easy positioning and protects your lenses (if you wear glasses).



For more information on icons, please refer to the guide on page 75



Exceptional quality

Pupillometer

Versatility

Specialist ophthalmoscope

The choice of the ophthalmic profession

The Specialist offers precision optics, versatile features, and practical ergonomics – making it the number one choice for ophthalmic practitioners.

The Specialist ophthalmoscope is perfectly balanced for precise ocular examination. The comprehensive lens range ensures clear and accurate diagnosis, even in the most difficult eyes. The Specialist lens range is made up of tiny, individual ground glass lenses. The fine gearing of the Morton Track lens system allows you to dial up any lens quickly and easily.

The pupillometer comparison disc allows for quick assessment of pupil size.

The graticule range offers a total of six diagnostic beams for comprehensive ocular examinations. In addition to a choice of three viewing beam sizes, the Specialist includes a red-free filter for vessel examination, a fixation cross for assessment of eccentric fixation, and a slit to determine changes in retinal elevation. A snug orbital fit optimizes the field of view and guarantees increased comfort for both practitioner and patient.







Jazz ophthalmoscope set

Jazz otoscope

- Fiber-optic otoscope
- Brilliant LED illumination gives the best possible view and a longer battery life for a greener product
- 3x magnifying lens

Jazz ophthalmoscope

- Brilliant LED illumination
- Renowned high-performance Keeler optics with aspherical lens

For more information on icons, please refer to the guide on page 75.



Interchangeable color rings



Set consists of one handy package with two handles



Professional LED retinoscope

Lifetime warranty

BCS technology

and sharpness in your hands.

Longest battery life

to non-LED technology.

in both modes.



Finoff transilluminator

For use when the presence of intraocular tumors in patients with cloudy media is suspected. The Finoff transilluminator illuminates the fundus via the sclera and any tumors present in the light path will dim the normally bright red fundal reflex as seen through the pupil.

Our patent-pending LED retinoscope will last a lifetime, and comes with a warranty to match.

Easiest and most accurate refraction from the brightest illumination, increased contrast,

Practice makes perfect, and our LED technology will increase your on-time up to 300%, as compared

Double neutralization check

The Professional Combi (bulb) retinoscope allows for the user to switch from spot to streak with the facility to double-check neutralization

Easy access control

The Professional LED retinoscope uses rare earth magnet technology to provide optical precision refraction. A single control is used for rotation, convergence, and divergence.

A choice of apertures is included to optimize brightness or resolution of the retinal reflex in 4mm or 1.7mm.

The Professional LED retinoscope comes with easily interchangeable soft brow rest for glasses wearers.

Light output

With up to 600 lux of brilliant illumination, the Professional LED retinoscope guarantees you more than enough light to refract even the most difficult eyes.

Near point cards

Fixation cards for dynamic retinoscopy are included. Simply clip on and off for easy use.



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run			hello
ball			dog
mummy	toy	and	rabbit
11999-12888			KOKeeler

Near point cards



Accessories and chargers

Color-coded grips

Add a bit of color to your diagnostic tools with color-coded grips. Available in four colors, these new grips are not only fun, but functional too! Available individually or as an assorted pack of four. Choose from pink, green, blue, or black.

Keeler slimline handles

The lightweight, perfectly balanced, smooth handle is made from high-quality chrome, eliminating cross-infection.

Keeler handle stand adaptor

The small, sleek adaptor converts your Keeler slimline handle to charge in any standard refraction stand.



LEDs indicate when battery life is low, charging, or fully charged.

Metal hydride/lithium Duo charger

The compact charger takes two handles and fits neatly into your immediate testing environment, allowing easy access to your handheld instruments. It can be desk or wall mounted.

Metal hydride/lithium Mini charger

This can be connected quickly and simply to the base of your Keeler handle, making it the perfect choice for domiciliary visits or practitioners on the move. Your instruments can still be used while the battery is charging. The Duo and/or Mini charger will charge your device within an hour.





Mini charger



Duo charger

Stand adaptor

Part numbers

Professional ophthalmoscope

FOR USE IN REFRACTION STAND, ORDER HEAD + THE FOLLOWING HANDLE:

• 1911-P-1244-500 – Keeler handle with metal hydride battery and stand adaptor

Pocket ophthalmoscope

Specialist ophthalmoscope

FOR USE IN REFRACTION STAND, ORDER HEAD + THE FOLLOWING HANDLE:

Jazz ophthalmoscope

Finoff transilluminator

- 2903-P-7001 3.6v head
- 2903-P-1118 2.8v head

Professional Retinoscope

- with 3.6v bulb

FOR USE IN REFRACTION STAND, ORDER HEAD + THE FOLLOWING HANDLE:

- battery and stand adaptor

• 1128-P-1004 – Professional (head only) with 3.6v bulb • 1128-P-1007 – Professional (head only) with LED

• 1102-P-1041 – Pocket (head only) with "AA" battery handle and 2.8v bulb

- 1132-P-1050 Specialist (head only) with 3.6v bulb
- 1132-P-5000 Specialist (head only) with 2.8v bulb
- 1132-P-1165 Specialist (head only) with LED
- 1311-P-5041 Presbyopic + lens to view dioptric correction
- 1911-P-1244-500 Keeler handle with metal hydride battery and stand adaptor

- 1102-P-1105 LED pocket ophthalmoscope • 1702-P-1096 – LED pocket diagnostic set
- 1302-P-1012 LED Retinoscope (head only) • 1302-P-1007 – Combi Retinoscope (head only)

• 1911-P-1244-500 – Keeler handle with metal hydride

Chargers

- 1941-P-1368 Metal hydride/lithium Duo charger
- 1941-P-1341 Metal hydride/lithium Mini charger

Accessories

COLOR CODED GRIPS

- 1901-P-7028 Pink
- 1901-P-7036 Green
- 1901-P-7044 Blue
- EP29-05365 Black

NEAR POINT CARDS FOR RETINOSCOPY

• 1321-P-7021 – Near point cards (set of 3)

SLIMLINE HANDLE ADAPTOR AND BATTERY

- 3301-P-7410 Stand adaptor
- 1919-P-7149 Metal hydride battery
- EP39-18918 Lithium battery



Sight and Color Vision Testing



Sheridan Gardiner test

A well-established test designed for children but suitable for disabled people, those with learning difficulties, or patients who do not share a common language with the examiner.

PART NUMBERS

- 2204-P-1004 Sheridan Gardiner Test without orthoptic booklets
- 2204-P-1063 Sheridan Gardiner Test with orthoptic booklets

38- and 24-plate Ishihara color vision test

Ideal for commercial/industrial color screening. Tests for protan and deutan defects. Patients must identify numbers or patterns formed in a matrix of small colored dots varying in color and intensity. Two editions available – 38-plate for detailed investigation or 24-plate for quick screening.

PART NUMBERS

- 2206-P-1008 38-Plate Ishihara color vision test
- 2206-P-1016 24-Plate Ishihara color vision test



3rd Edition City University color vision test

This test displays normal protan, deutan, and tritan colors. Differentiation is stronger in the red/green. Significant tritan defects may be detected if used in conjunction with the Ishihara. The test includes a screening option.

PART NUMBER

• 2206-L-1057 – 3rd Edition City University Color Vision Test

Maddox Wing Test

A convenient, handheld, quick-and-efficient near test for heterophoria, which is measured on the red vertical scale. Esophoria and exophoria are measured by the white horizontal scale. Cyclophoria may be assessed by moving the red arrow pointer parallel to the horizontal scale.

PART NUMBER

• 2301-P-1022 – Maddox Wing Test

Amsler Manual

Assists in early recognition of changes in the macula and foveal areas. Only six patient responses are required for diagnosis of functional disturbances, from small scotoma to distortions. Full instructions include the interpretation of results.

PART NUMBERS

- 2215-P-1034 Amsler Manual
- 2215-P-7050 Amsler Recording Charts



Halberg Trial Lens Clips

Halberg Trial Lens Clips have become a required addition to every refraction stand. These useful and inexpensive clips may be fitted over your patient's glasses frame. Each cell has space for three lenses, and the rubber coating on the clip protects the glasses lenses.

PART NUMBER

• 2207-P-1026 – Halberg Trial Lens Clips with case

Surgical Loupes

Laser-aligned optics for magnification of superb optical quality; a lightweight aluminum assembly and precise pupil alignment system make Keeler loupes the perfect choice for thousands of surgical professionals.

SuperVu SL (galilean system)

2.5x magnification

The true benefit of this system is its ease of use. Movement while maintaining focal clarity is made possible due to a superior depth of field. The lightweight aluminum bar and individual pupillary adjustment provides stability for the mounted loupes and optimal focal alignment, eliminating headache and eyestrain. Ideal for ocular plastic and retinal procedures.

SuperVu SL Hi-Res (galilean system)

3.0x magnification



Galilean system

SuperVu SL Hi-Res loupes provide greater definition than a standard galilean with 15% increased field of view. The Hi-Res five element system provides a true 3x magnification in a lightweight system.

SuperVu XL (prismatic system)

3.5x, 4.5x, and 5.5x magnification

With higher magnification for advanced surgical procedures, Prismatic quality guarantees a true image. Edge-to-edge clarity and precise color rendition is ideal for intricate surgical applications. The XL's precision lenses are treated with an antireflective coating to produce a superior image. Ideal for surgeons who require higher magnification.

LED Illumination

The K-LED illumination system clips quickly and easily onto the loupes bar. It provides 34,000 lux of homogenous, coaxial, white LED illumination. The lightweight (17g) LED offers 50,000 hours of life. The lithium battery will last for four hours before it needs charging.

Prismatic system



Sport frames

Stylish, comfortable, and attractive

Sport frames are available in a choice of bright colors, as shown. They can be worn over your own glasses, or your prescription can be incorporated into the supplied holder. The choice of color is black, blue, and red. All of our loupes are available to be purchased with sport frames.



Designed for comfort

Choose from the frames or a headband mounted system to mount your loupes. Adaptable to all prescriptions.



Part Numbers

2.5x Standard

3.0x Mag – Hi-Res

3.5x Mag

4.5x Mag

5.5x Mag

Keeler Loupe systems are supplied in a soft carrying case and include protective caps, sterilizable flip lever, and cleaning cloth.

• 2112-P-1006 – 13" Working Distance (34cm) • 2112-P-1007 – 16" Working Distance (42cm) • 2112-P-1008 – 18" Working Distance (46cm) • 2112-P-1009 – 20" Working Distance (50cm)

• 2112-P-1050 – 13" Working Distance (34cm) • 2112-P-1051 – 16" Working Distance (42cm) • 2112-P-1052 – 18" Working Distance (46cm) • 2112-P-1053 – 20" Working Distance (50cm)

• 2113-P-6004 – 13" Working Distance (34cm) • 2113-P-6021 – 16" Working Distance (42cm) • 2113-P-6022 – 18" Working Distance (46cm) • 2113-P-6007 – 20" Working Distance (50cm)

• 2113-P-6008 – 13" Working Distance (34cm) • 2113-P-6025 – 16" Working Distance (42cm) • 2113-P-6010 – 18" Working Distance (46cm) • 2113-P-6011 – 20" Working Distance (50cm)

• 2113-P-6012 – 13" Working Distance (34cm) • 2113-P-6029 – 16" Working Distance (42cm) • 2113-P-6014 – 18" Working Distance (46cm) • 2113-P-6015 – 20" Working Distance (50cm)

ORDER FRAMES SEPARATELY

Small sport frames (130mm temples)

- 2199-P-1982 Black
- 2199-P-1983 Blue
- 2199-P-1984 Red

Medium sport frames (135mm temples)

- 2199-P-1500 Black
- 2199-P-1519 Blue
- 2199-P-1527 Red

Large sport frames (150mm temples)

- 2199-P-1543 Black
- 2199-P-1551 Blue
- 2199-P-1578 Red

K-LED system

- 2004-P-1007 K-LED with (2) batteries and (1) twin charger tray
- 2004-P-1012 K-LED with (1) battery and (1) charger tray





Double-charger system



Cryo Surgical Systems

We have been supplying the ophthalmic surgeon with high-performance, reliable cryo systems since 1966. Changes in technology and the surgeons' requirements have allowed us to improve and expand our range of cryo ophthalmic instruments.

Electronic communication between the console and any probe that is connected to it allows for optimum operating parameters and self-adjustment. In other words, the console auto-configures to each probe's characteristics. The main advantage of this is that there is no longer a need for manual setups before or during a procedure. The gas pressure will also always be set automatically.

During purging, and about 20 seconds after the footswitch is released, the gas in the system reverses its flow, but at a lower pressure. This changed direction of gas after a freeze moves any debris or moisture that may be accumulating – eliminating any risk

Building on the exceptional reliability of its predecessor, the Cryomatic MK II delivers quality and versatility when using either disposable or reusable probes. The unit's new coupling system allows you to connect either a single-use disposable probe or a reusable probe without the need for an adaptor. The integral software automatically detects the type of probe in use and adjusts the unit accordingly, meaning the unit is ready to be used in a matter of minutes.

No more sterilization concerns

The single-use, sterile, retinal probe is the perfect answer when a probe is demanded on short notice. Lightweight and comfortable to use, the disposable probe is a must-have to manage your infection-control processes and cut time and costs.



Single-use probe

Part Numbers

Crvo

• 2509-P-1010 – Cryomatic MK II console with footswitch, high-pressure hose, exhaust hose, (specify CO2, or N20 gas use when ordering), and user manual

Probes

DISPOSABLE - NOT CURRENTLY FOR SALE IN THE USA

• 2509-P-8033 – Single-use, sterile retinal probe (box of 10)

NON-DISPOSABLE

- #1: 2509-P-8020 Standard retinal probe
- #2: 2509-P-8030 Compact retinal probe
- #3: 2509-P-8021 Extended retinal probe
- #4: 2509-P-8022 Mid-Reach retinal probe
- #5: 2509-P-8025 Glaucoma probe
- #6: 2509-P-8024 Curved cataract probe
- #7: 2509-P-8023 Intra-vitreal probe
- #8: 2509-P-8026 Collins trichiasis probe



Supplies

- 3304-K-1085 Cryomatic stand
- 1899-K-1163 Chan wrist rest with pillow

8

- 1899-K-1219 Surgical foam headrest
- 1899-K-1243 Nevyas drape supports (box of 24 minimum order of 4 boxes)

Cryomatic stand

• 1899-K-1112 – Machemer stool











Surgical Room Supplies



Chan wrist rest - Item #1163

The Chan wrist rest has become an important standard in busy operating rooms. The unique height-adjustable horseshoe bar encircles the patient's head and supports arms and wrists during ophthalmic surgery. The horseshoe bar facilitates easy draping, especially when fluids are collected. The bar also flips up and out of the way for easy patient transfer on and off the table. The metal plate fits under the mattress of the O.R. table. Adapts to all O.R. tables and stretchers.



Surgical foam headrest - Item #1219

The surgical foam headrest automatically secures the patient's head, while making them as comfortable as possible. Several center inserts can be removed to adjust for any head size from pediatric to adult. The pillow can be autoclaved when necessary. From surgical suite to the recovery room, this unique pillow will ensure correct patient positioning.



Nevyas drape support - Item #1243

The disposable Nevyas drape support is the simple and inexpensive way to establish a zone of comfort for your patients during ophthalmic surgery that requires draping over the nose and mouth. Packaged in boxes of 24, minimum order of 4 boxes.

Machemer stool - Item #1112

This stool is unquestionably the finest operating stool available today. This stool was designed especially for the ophthalmic surgeon who must remain absolutely steady for long periods of time. A poor stool can unexpectedly shift resulting in unanticipated hand motion. The Machemer stool has a solid base of five sturdy castors. A "foot bar" allows the surgeon to adjust the height from 22" to 33" and lock the seat swivel. The seat is constructed of one continuous piece of heavy sculptured foam and is covered in fabric without seams. This unique design reduces pressure on the sciatic nerve and remains comfortable through even the longest procedures.

Bulbs and Accessories

Accurate diagnosis depends upon a number of factors. Of these, top-quality illumination ranks as one of the most important. Only excellent visualization allows you to use your diagnostic skills to the fullest. All Keeler instruments use genuine halogen, xenon and LED technology, yielding a brighter, whiter illumination and a longer life. Look at the bottom of your bulb to identify if your instrument is 2.8v (dry cell battery) or 3.6v (rechargeable battery).



2.8v

3.6v

All Pupil II LED module

• 1012-P-7008



All Pupil II and Vantage bulb

• 1012-P-7003



Vantage Plus LED module

• 1012-P-5276

Wide-angle twin-mag ophthalmoscope bulb

• 1012-P-7004



• 1299-P-7075

Pulsair bulb for Mark 1, 2000, 3000, and EasyEye

• 1024-P-7156

Fison bulb

SUPPLIED INDIVIDUALLY

• 1012-P-7000



Vantage Plus bulb

• 1012-P-7006

PPE – We are here for you and your patients

Here at Keeler, we have been working hard to provide the products needed to keep both you and your patients protected and safe.



KN95 Masks Item #: AX17399 10 per package

- Virus protection, anti-dust, smoke, gas, allergies, and germs
- FDA and CE certified manufacturer
- Non-woven polypropylene

*Image may not represent the actual mask you receive.



Ear Saver Mask Adjuster Item **#**: AX17478 10 per package

- Allows user to adjust the tightness and fit of the ear loops on the mask to their desired fit and obtain a proper seal
- Fits any mask with elastic earloops





3-Layer Medical Mask Item #: AX17400 50 per package

- Anti-dust, smoke, gas, allergies, and germs
- FDA cleared
- Disposable material
- Effectively isolating bacteria, pollen, dust



Soho Fresh Hand Sanitizer Item #: AX17445

- 33.81oz (1 L) squeeze top bottle
- Contains 70% alcohol
- Kills 99.99% of germs



FC Clean Reusable Protective Mask (non-medical) Item #: AX17438

- Outer layer is made of cleanroom compatible fabric
- The inner layer is made of antibacterial fabric
- Antibacterial effect remains even after washing more than 50 times
- 5 year shelf life
- Measures 9cm x 18cm



GSL Organics Hand Sanitizer Item #: AX17404

- 6oz. gel with pump
- Concentrated with 80% grain alcohol
- Non-drying and moisturizing with essential oils, glycerin, aloe vera, and grain alcohol to kill germs



Availability is limited and on a first come, first serve basis.

Due to high demand, these items are non-returnable.

Instant Gel Hand Sanitizer Item #: AX17450

- 16oz. pump bottle
- Contains 75% alcohol
- Kills 99.99% of germs



X-Large Slit Lamp Breath Shield Item #: EP39-80753

- Clinician and patient protection while still allowing easy use of the slit lamp
- Goes between the binoculars and magnification block
- Fits Keeler slit lamps and any slit lamp with a 70mm diameter dovetail joint
- Made of 1.5mm thick clear plastic
- Measures 35cm x 30cm (13.7" x 11.8")



Keeler BIO Face Shield Item #: AX17448

- Scratch and defect free
- Fits Keeler All pupil II and Vantage Plus
- Shield is held in place by the snaps on the headband foam liner
- Made of 0.5mm-0.8mm thick clear polyethylene terephthalate
- Measures 275mm W x 190mm H (10.8" W x 7.5" H")

The Phoropter Shield[™] Item #: AX17447

- Designed to fit with most A style phoropters
- Does not interfere with the use of the phoropter, or touching the nose of the patient, even when the PD is adjusted
- Made of 30mil polycarbonate composition allowing for easy installation and removal
- Measures approximately 7.5" x 7.5"

Large Fitted Slit Lamp Breath Shield Item #: AX17415

- Can also be used on our portable slit lamps
- Clinician and patient protection while still allowing

easy use of the slit lamp

- The shield goes around the oculars
- Fits all slit lamps
- Made of 1.5mm thick clear plastic
- Measures 7.5"H x 6"W
- Occular cut out allows for full pupilary distance adjustments



Face Shield Item #: AX17416

- 12.387"W x 10.5"H clear shield covers the whole face
- Has 10.6"W x 1"H headband



Virtua[™] Scratch-Resistant Safety Glasses Item #: AX17437

- Clear and scratch-resistant lens
- Frameless, wraparound frames
- Universal size



MASK-IT Eye Patch Item #: AX17024 500 per package

- Disposable and adjustable eye patch
- Pre-slit patch creates various cone depths for eye lashes



Ergonomic PVC Anti Fog Safety Goggles Item #: AX17449

- Clear safety polycarbonate lens
- Anti Fog and saliva droplet blockers
- UV400
- Adjustable comfort strap



Non-Contact Infrared Digital Thermometer Item #: AX17396

- Measures in 1-3 seconds
- Accurate readings through the activation
- 2 temperature units for conversion (Fahrenheit or Celsius)
- Can be used more than 100,000 times with two AA batteries (not included)



Betco Fight Bac RTU

- Quaternary-based, anti-bacterial cleaner
- Cuts through grease, heavy soil, and filth
- Quick drying times.

AX17433 32oz. Bottle AX17433J Trigger spray with straw



Level 2 SMS Gowns

- Medical level 2 SMS gowns
- Single-use
- Made from 3- layer SMS fabric.
- AX17489 Small
- AX17490 Medium
- Large AX17491
- AX17492 X-Large

For more information, please contact us at 800.523.5620.

For more medical supply products and pharmaceutical products, please visit our website at www.KeelerUSA.com or give us a call at 800-523-5620!

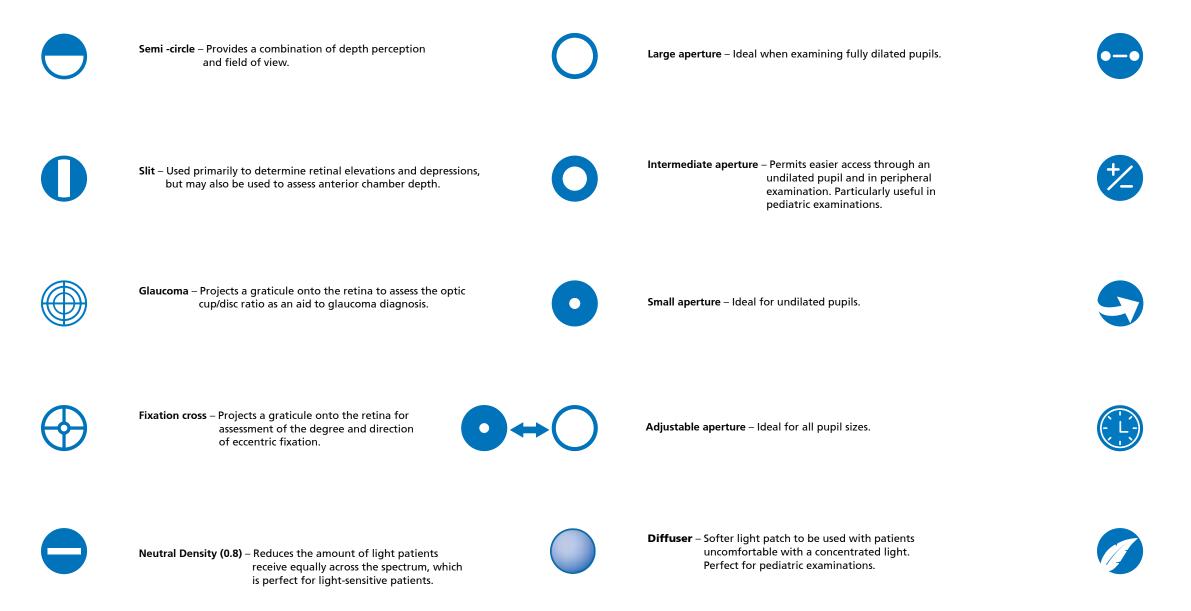
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Product Icon Guide

Throughout this catalog, you will find these icons underneath or beside specific products to showcase the different features of each. Here is a guide to what each one means for you to reference.



Pupillary Distance – Distance between users pupils.

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Clear filter – Allows user to view the eye in crystal clear detail.

Diopter range – Single-step diopter changes to compensate for patient and examiner refractive error.



Red-free – Used to examine blood vessels in fine detail. By filtering out the red light, blood vessels are silhouetted black against a dark green background.

Portable - Convenient for transportation.



Cobalt blue - Used with fluorescein dye for angiography.

Long-lasting – LED and lithium polymer battery can provide up to six hours of use on a single charge.



Bright – 25% brighter than standard bulbs.

Lightweight – Stronger and lighter materials allow for comfort without sacrificing quality.



LED – Long-lasting white illumination that is bright and allows you to see better details.

Keeler

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