

Keeler Accutome 4Sight

Four in one ophthalmic ultrasound diagnostics





Keeler have a century of experience in optics. We have been manufacturing ophthalmic instruments since 1917 and continue to lead the market today with our innovative instruments. Plus for over 30 years Accutome has built a reputation for high quality, reliable and reasonably priced ophthalmic diagnostic equipment. Keeler have joined forces with Accutome to bring you the 4Sight®.

Designed for you

The 4Sight® is made in the USA and designed with eye care professionals in mind. It provides a single solution for ophthalmic diagnostics by combining an A-Scan, B-Scan, UBM and Pachymeter in one, easy-to-use platform.

Built to last

We realize the demands on today's busy clinics and designed the 4Sight® to meet those needs, by delivering a high value product that is accurate and efficient.



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High Value Workstation

- Single solution for all ophthalmic ultrasound imaging at an affordable price
- High quality with industry-leading warranty and service programs
- Live help and dependable support for the life of the product

Accuracy

- Proprietary signal processing
- Industry leading clinical accuracy
- Unsurpassed image quality

Efficiency

- Single point-of-use technology for all ophthalmic diagnostic imaging needs in an ergonomic portable package
- Intuitive user interface for a rapid and smooth learning curve
- Easy data transfer between modalities and higher patient throughput
- DICOMSM Worklist compatible

See it from every angle

A single solution for ophthalmic diagnostics by combining an A-Scan, B-Scan, UBM and Pachymeter in one, easy-to-use platform.



A-Scan



B-Scan



UBM



Pachymeter

4Sight® Technical Specifications

Weight	3.18 Kg
Dimensions	381 mmH x 50.8 mmD x 279.4 mmH
Screen	Touchscreen
External connections	HDMI and ethernet
Modality worklist	Integrated DICOM SM
USB	5 USB ports
Probe connections	A-Scan and Pachymeter

Part Number 24-8000 4Sight®



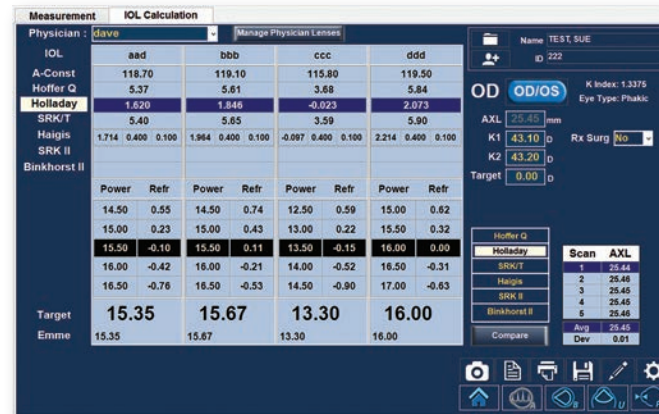
A-Scan



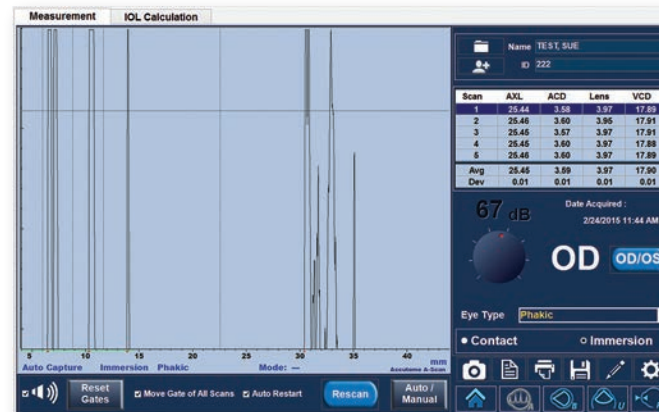
Features

- Immersion and contact modes
- Industry leading resolution
- User-friendly interface
- Less patient chair time - faster measurement capture*
- Automatic alignment detection and sclera recognition eliminate marginally aligned scans
- Share information easily - adaptable document transfer via EMR, email or printer
- Modern third and fourth generation formulas including the Hoffer®Q, SRK/T, Holladay, Haigis, SRK II and Binkhorst II as well as new post refractive formulas
- Optimised lens constants for superior surgical outcomes
- Streamline your patient data - patient data is passed between modalities for quicker patient flow

* When compared to original A-Scan Plus.



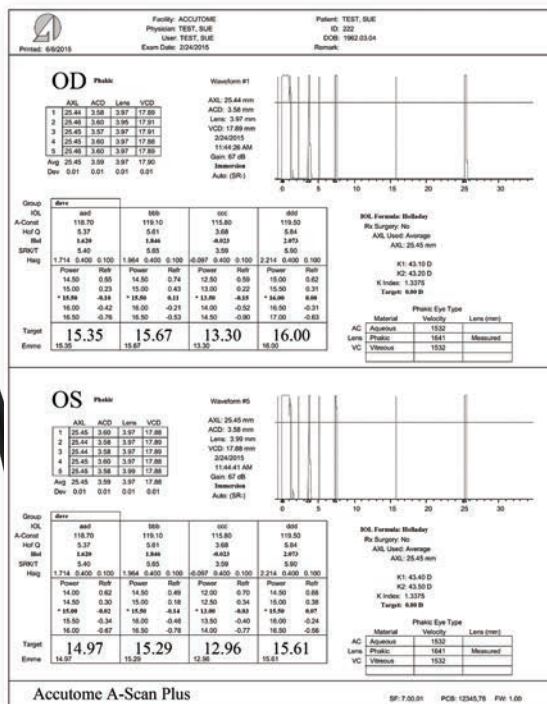
A-Scan IOL Calculation Screen



A-Scan Measurement Screen

The A-Scan is the single most effective solution for measuring and calculating all of your patients and refining your surgical outcomes.





A-Scan Report

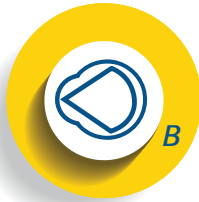
A-Scan Module Technical Specifications

Weight	2.23 g	Electronic resolution	0.016 mm
Dimensions	44.45 mm L x 5.08 mm W	Clinical accuracy	0.01 mm
Methods	Immersion or Contact	Data points per Waveform	4096
Default eye type settings	Phakic, Dense Cataract, Silicone Filled, Pseudo PMMA, Pseudo Silicone, Pseudo Acrylic, Aphakic	IOL formula	Hoffer Q, Holladay I, SRK/T, Haigis, SRK II, Binkhorst II
Custom eye type settings	Possible	Post refractive formula methods	Clinical history, Contact Lens, Shammas Clinical, Entered
Measurements	ACD, Lens thickness, VCD, Axial length	Report/Image export	PDF, JPEG, PNG, GIF, TIFF, BITMAP
Capture modes	Automatic or Manual		
Frequency	10 MHz		

"The 4Sight® unit is doing so well, the eye clinic is very happy with it, they say it works like a dream."

Distributor, South Africa

B-Scan

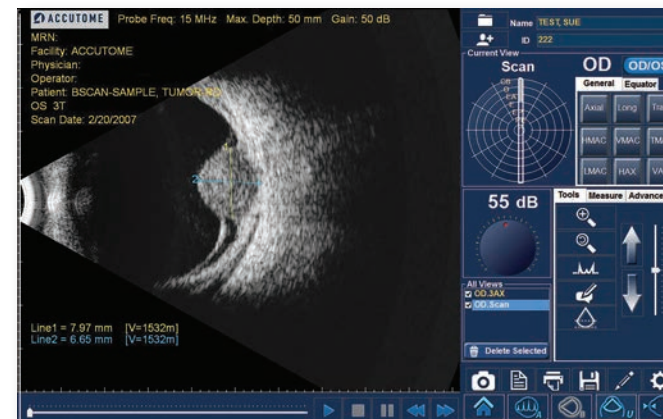


Features

- Image is everything - the 0.015 mm resolution is among the highest in the medical industry
- State-of-the-art probe design gives sharper, more focused images due to the elimination of signal loss
- Unsurpassed data analysis - contains 12 useful measuring calipers
- "Smooth Zoom" technology gives 2x full image zoom without distortion of real-time or captured scan
- Portable - use with the 4Sight or any Windows based laptop or PC
- Unlimited film loop recordings so you never miss an image
- Adaptable document transfer via EMR, email or printer means that you can share information easily
- Master in minutes - the user-friendly interface makes user manuals and quick start guides unnecessary

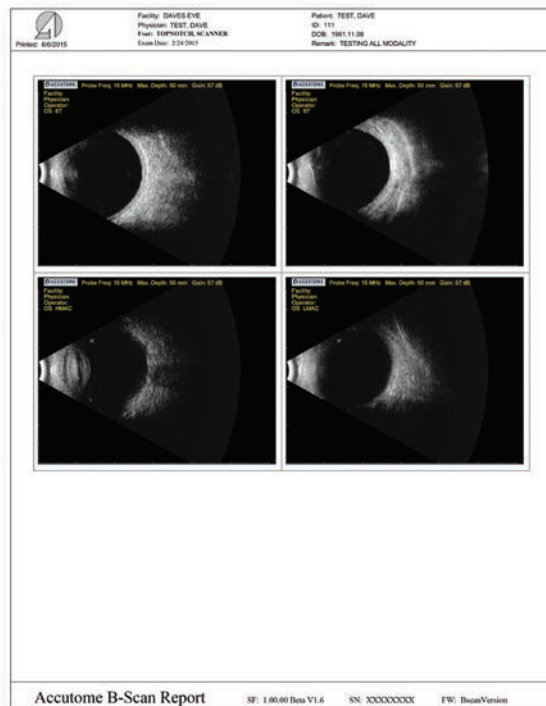


B-Scan Report Function Screen



B-Scan Measurement Screen

The B-Scan Plus® proprietary software combined with unique probe electronics makes it the premier, portable high definition B-Scan.



B-Scan Report

B-Scan Module Technical Specifications

Weight	0.17 Kg
Dimensions	177.8 mm L x 31.75 mm W
Frequency	12 or 15 MHz
Axial resolution	0.015 mm Electronic
Lateral resolution	0.085 mm Electronic
Adjustable gamma	Linear, S-Curve, Log, Colour
Scanning angle	60°
Sampling rate	2048 (points per line)
Time gain control	Yes
Zoom	2x optical zoom
Report/Image export	PDF, JPEG, PNG, GIF, TIFF, BITMAP
Maximum number of frames per scan	256
Measuring calipers	12 measuring calipers (6 lines, 2 areas, 2 angles, 2 arrows)

"You have been so great
and such a pleasure to
work with time after time.
Thanks for all you do to make
my job easier and my budget
spread further."

Administrator, Atlanta,
Georgia, USA

UBM



Features

- High definition imaging shows detailed structure definition including cornea, iris, ciliary body, zonules, crystalline lens and intraocular lens as well as pathologies
- State-of-the-art probe design gives sharper, more focused images due to the elimination of signal loss
- Unsurpassed data analysis - the UBM contains measuring tools. Useful for measuring sulcus-to-sulcus, anterior chamber depth, positioning of intraocular lenses and filtration angle of the eye
- Portable - use with the 4Sight® or any Windows based laptop or PC
- Unlimited 34 second film loops mean you will never miss an image
- Share information easily with adaptable document transfer via EMR, email or printer
- Protect your investment - easily upgrade software
- Master in minutes - the user-friendly interface makes user manuals and quick start guides unnecessary



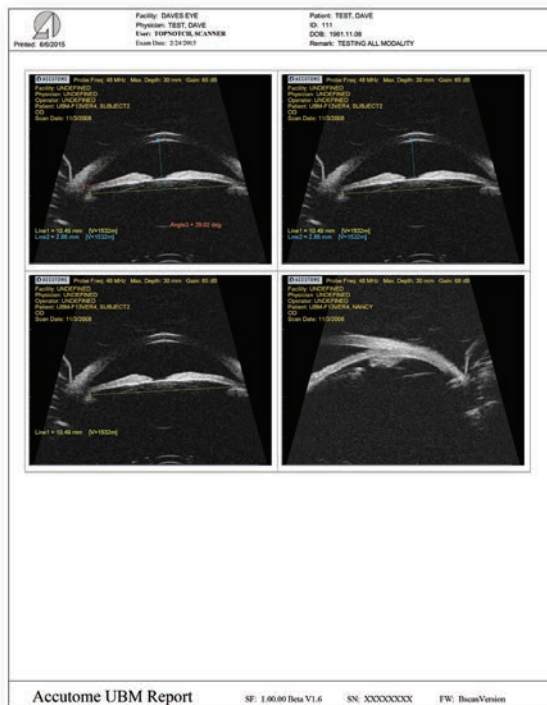
UBM Screen



UBM Report Function Screen

Keeler Accutome's UBM Plus® is used for anterior segment imaging.

The revolutionary design combines the latest technologies with unsurpassed image quality.



UBM Report

UBM Technical Specifications

Weight	0.17 Kg
Dimensions	177.8 mm L x 31.75 mm W
Frequency	48 MHz
Axial resolution	0.015 mm Electronic
Lateral resolution	0.05 mm Electronic
Adjustable gamma	Linear, S-Curve, Log, Colour
Scanning angle	30°
Sampling rate	2048 (points per line)
Time Gain Control	Yes
Zoom	2x optical zoom
Report/Image export	PDF, JPEG, PNG, GIF, TIFF, BITMAP
Maximum number of frames per scan	256
Measuring calipers	12 measuring calipers (6 lines, 2 areas, 2 angles, 2 arrows)
Connection	USB cable with power isolator

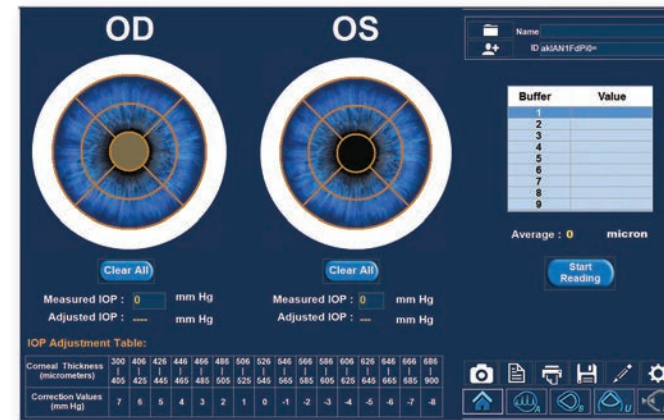


Pachymeter

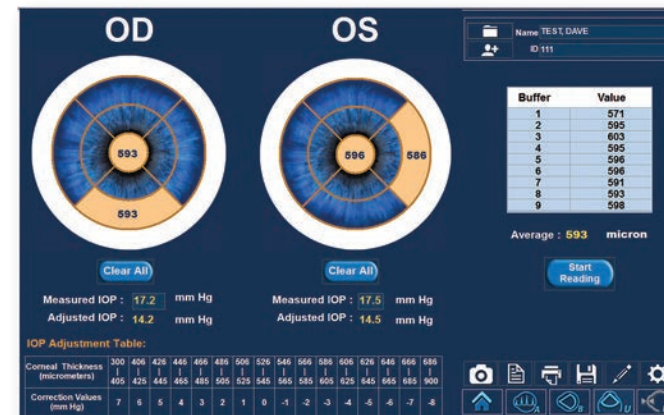


Features

- IOP correction calculation converts IOP measurements in seconds
- Easy-to-use interface
- Gentle touch probe
- Accuracy +/- 5 microns
- Innovative user interface
- 9 measurement areas per eye
- Increase workflow and efficiency
- Sampling rate of 65 MHz

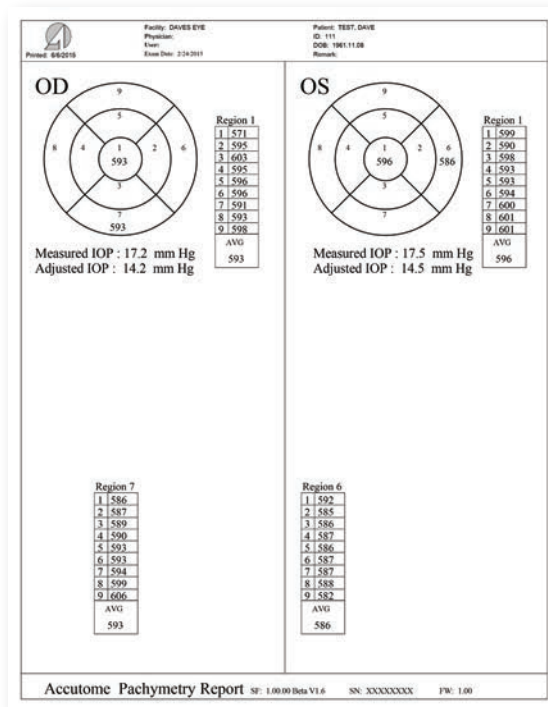


Pachymeter Screen



Pachymeter Screen with Reading

The Keeler Accutome 4Sight® Pachymeter has Digital Signal Analysis, which offers outstanding accuracy and repeatability.



Pachymeter Report

Pachmeter Probe Technical Specifications

Weight	19 g
Dimensions	44.45 mm L x 5.08 mm W x 2.5 mm diameter
Accuracy	±5μ
Sample rate	65 MHz
Measurement range	300-999 μ
IOP adjustment	Automated

"We loved the viewing screen on the 4Sight.®

The software is so much more user friendly."

"We do some astigmatic correction in the office (limbal relaxing incisions) and we do pachymetry on all quadrants of the cornea, so that is why we loved the pach screen with the quadrants showing.

We also had great customer service! Every one of our questions was answered thoroughly and quickly."

Certified Ophthalmic Technician, Florida



How does 4Sight compare?

Below you can see how Keeler Accutome's 4Sight® performs against the competition.
Please contact an Accutome representative or your local distributor for more detailed information.



Features	4SIGHT	Company X	Company Y	Company Z
Portable	★	★	★	
Touch Screen	★	✎	★	
Modular Design Ability to add probes	★	✎	✎	✎
Multi-use Probes can be used with unit or PC	★			
DICOM SM Standard with purchase	★	£	£	£
Warranty Standard 3 year warranty	★	✎	✎	✎

Keeler Accutome Diagnostics Worldwide Distribution Map

4Sight® Accessories

- Wireless mouse
- Wireless keyboard
- Probe holders (on the back of the unit)
- Power supply
- A-Scan immersion shell
- Manual
- Quick reference guide
- Test blocks (A-Scan)
- Foot switch

4Sight® Optional Accessories

- Original B-Scan table top probe holder
- Original UBM table top probe holder
- Ergotron mounting arm (for wall and table mounting)





Keeler

ACCUTOME®

For all of your ophthalmic needs

Keeler Accutome Surgical

Diamond knives, steel knives, sutures and handheld surgical instruments.

Keeler Accutome Clinical

Office medications and supplies.

Keeler Accutome Diagnostic

A-Scans, B-Scans, Pachymeters, Tonometers and UBM.

Keeler Accutome Repair Centre

- Quick turnaround for most brands of diamond knives and handheld instruments
- Diagnostic equipment

Technical Help



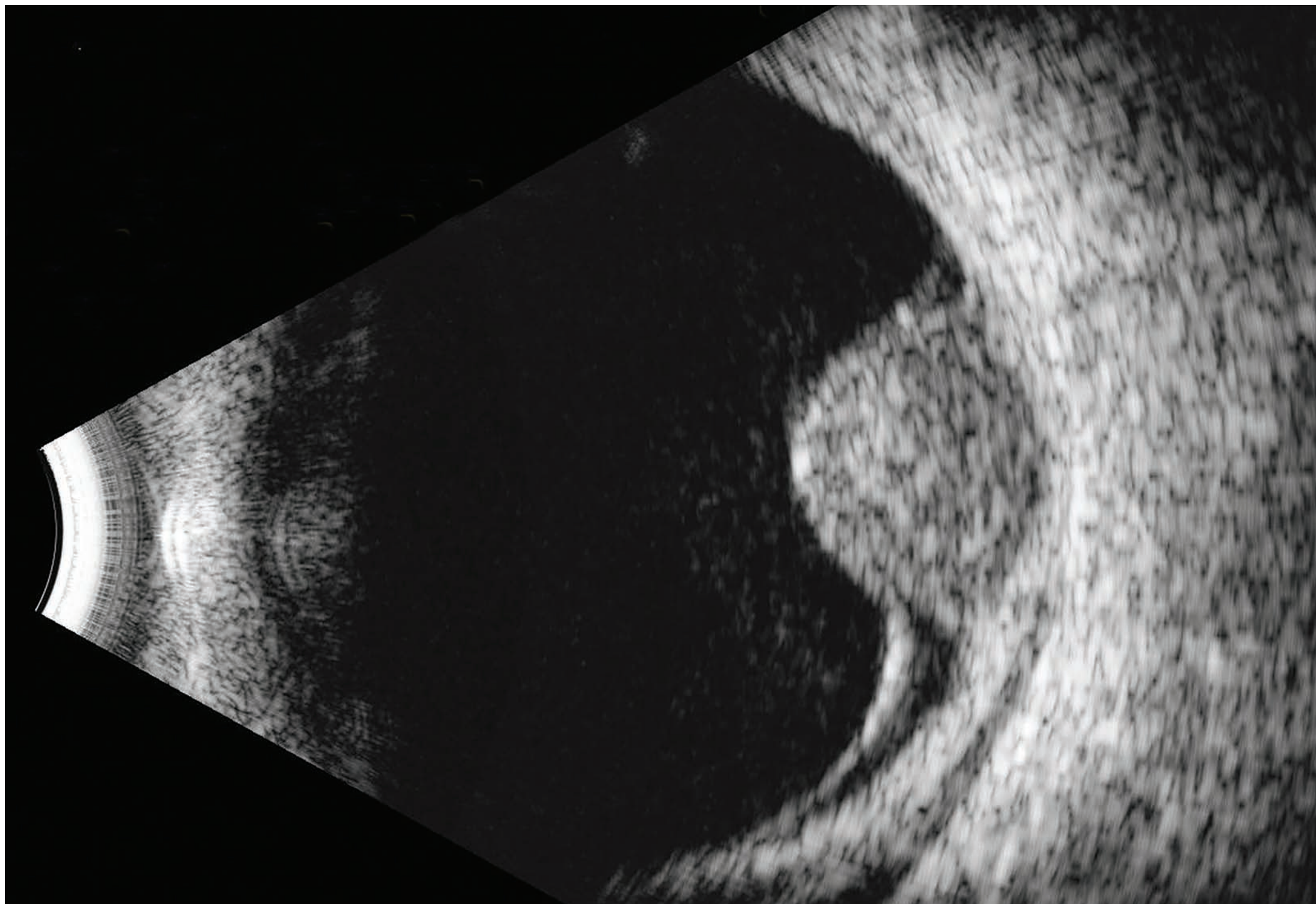
For technical assistance on Keeler Accutome products please call +1 610 889 0200

from outside the USA and Canada.

or call toll free on (800) 979 2020

from inside the USA and Canada.

Alternatively please email info@accutome.com



Contact us today for further details or a demonstration

More Keeler Instruments

For a century we have manufactured top quality precision ophthalmic instruments.

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From inside the USA and Canada call toll free on (800) 979 2020
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View the full range of Accutome products at www.accutome.com

Distributed by:

The management system of

Keeler Ltd

Clewer Hill Road, Windsor, Berkshire, SL4 4AA, UK

has been assessed and certified as meeting the requirements of

Directive 93/42/EEC

on medical devices, Annex II (excluding Section 4)

For the following products

**Keeler Cryomatic MKII Console & Pencils for use in ophthalmic surgery
Laser Indirect Ophthalmoscope (LIO)
for use in ophthalmic surgical procedures**

Tonometers to aid diagnosis and measurement of intraocular pressures:

Pulsair Intellipuff – Non-Contact Tonometer

TonoCare – Non-Contact Tonometer

Pulsair Desk Top Tonometer

Keeler Digital Applanation Tonometer (D-KAT)

Keeler Digital Applanation Tonometer (D-KAT), Z Type

Where the above scope includes class III medical device(s), a valid EC Design Examination Certificate according to Annex II (Section 4) is a mandatory requirement for each device in addition to this certificate to place that device on the market.

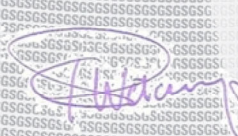
This certificate is valid from 28 February 2020 until 30 September 2022 and remains valid subject to satisfactory surveillance audits.

Issue 1. Certified since 10 September 1995

and first certified by SGS Belgium NV since 28 February 2020

Certification is based on reports numbered GB/PC 240569

Authorised by



SGS Belgium NV, Notified Body 1639

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LPMD5007 - Certificate CE1639 Annex II-4, EN rev. 02

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SGS

Certificate GB19/964765

The management system of

Keeler Ltd

Clewer Hill Road, Windsor, Berkshire, SL4 4AA, UK

has been assessed and certified as meeting the requirements of

ISO 13485:2016 EN ISO 13485:2016

For the following activities

**Design, Development and manufacture, distribution & service
of Optometric and Ophthalmic medical devices and equipment.**

This certificate is valid from 02 December 2019 until 31 October 2022
and remains valid subject to satisfactory surveillance audits.

Re certification audit due before 04 September 2022

Issue 1. Certified since 10 September 1995

Authorised by

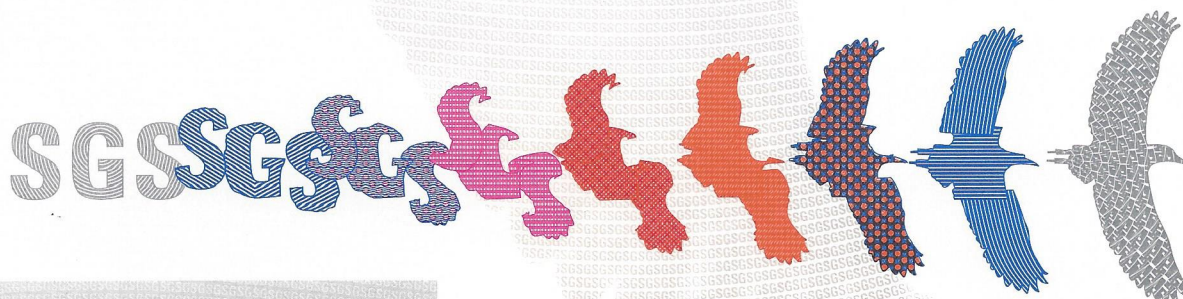
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