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.

See it from every angle
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
• DICOM® worklist compatible

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®
USB
5 USB ports
Probe connections
A-Scan and Pachymeter

Part Number 24-0000 4Sight®

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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
- User information easily adaptable document transfer via EMR, email or printed
- Modern third and fourth generation formulas including the Hoffer®, SRK/T, Holladay, Haigis, SRK II and Binkhorst II as well as new post refractive formulas
- Optimized lens constants for superior surgical outcomes
- Streamline your patient data - patient data is passed between installations for quicker patient flow

A-Scan Module Technical Specifications

**Features**

- Immersion and contact modes
- Industry-leading resolution
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A-Scan is the single most effective solution for measuring and calculating all of your patients and refining your surgical outcomes.

* When compared to original A-Scan Plus.

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**Technical Specifications**

- **Weight**: 2.23 g
- **Dimensions**: 44.45 mm L x 5.08 mm W
- **Methods**: Immersion or Contact
- **Default eye type settings**: Phakic, Dense Cataract, Silicone Filled, Pseudo PMMA, Pseudo Silicone, Pseudo Acrylic, Aphakic
- **Custom eye type settings**: Possible
- **Measurements**: ACD, Lens thickness, VCD, Axial length
- **Capture modes**: Automatic or Manual
- **Frequency**: 10 MHz

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**A-Scan IOL Calculation Screen**

**A-Scan Measurement Screen**

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**A-Scan Report**

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**A-Scan Module Technical Specifications**

- **Electronic resolution**: 0.016 mm
- **Clinical accuracy**: 0.01 mm
- **Data points per waveform**: 4096
- **Hill formulas**: Hoffer Q, Holladay II, SRK/T, Haigis, SRK X, Binkhorst II
- **Post refractive formula methods**: Clinical history, Contact lens, Shammas Clinical, External
- **Report/image export**: PDF, JPEG, PNG, GIF, TIFF, BITMAP

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"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
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
- "Smooth Zoom" technology gives 2x full image zoom without distortion of real-time or captured scan
- Portable - use with the 6151 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

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

B-Scan Module Technical Specifications

- **Weight**: 0.17 Kg
- **Dimensions**: 173.8 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
- **Archives and 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 arrow)

"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 farther!"

Administrator, Atlanta, Georgia, USA
Features

- High definition imaging shows detailed structure definition including cornea, iris, ciliary body zone, 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.
- Unparalleled data analysis - the UBM contains measuring tools. Useful for measuring various parameters, 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.

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

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

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

**The Keeler Accutome 4Sight® Pachymeter**

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

**Pachymeter Screen**

**Pachymeter Screen with Reading**

**Pachymeter Report**

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

**Pachymeter Probe Technical Specifications**

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

*“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

*“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.

<table>
<thead>
<tr>
<th>Features</th>
<th>Company X</th>
<th>Company Y</th>
<th>Company Z</th>
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<tbody>
<tr>
<td>Portable</td>
<td>★</td>
<td>★</td>
<td>★</td>
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<td>Touch Screen</td>
<td>★</td>
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<td>Modular Design</td>
<td>★</td>
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<tr>
<td>Ability to add probes</td>
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<tr>
<td>Multi-use</td>
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<tr>
<td>Probes can be used with unit or PC</td>
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<tr>
<td>DICOM®</td>
<td>£</td>
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<tr>
<td>Standard with purchase</td>
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<tr>
<td>Warranty</td>
<td>★</td>
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<tr>
<td>Standard 3 year warranty</td>
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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)
For all of your ophthalmic needs

Keeler Accutome Surgical
Diamond knives, steel knives, sutures and handheld surgical instruments.

Keeler Accutome Clinical
Ophthalmic 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
More Keeler Instruments
For a century we have manufactured top quality precision ophthalmic instruments.
View our full range at www.keeler.co.uk | www.keelerusa.com

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