One in the World

Thinklabs is a worldwide leader in digital stethoscopes, with its own ISO-13485-registered design, manufacturing and service facility, headquartered in Colorado, USA. The company has sold US FDA-approved digital stethoscopes and supported a global customer base since 2003, obtaining CE Mark in 2017.

For more information, send an email to support@thinklabs.com or call us at +1-303-525-3458.

Technical Specifications

Amplification	More than 100x (>40dB)
Audio Filters	5 bandpass filters
Display	Volume, Filter, Battery LED scale
Output Signal Level	Low impedance headphone driver, 3V p-p
Power Input	5V DC (USB charger compatible)
Power Source	Internal Lithium-Ion cell
Battery Capacity	> 120 patient exams per charge (2 minutes per patient)
Connector	4-conductor 3.5mm jack
Transducer	Thinklabs-patented Electromagnetic Diaphragm™
Dimensions	46mm x 28mm
Weight	50g
Headphones	Thinklabs high performance earbud headphones included, compatible with any high quality audio headphones
Hearing Aid Compatibility	Connects to most hearing aid streaming devices. Recommended for use with closed-fit hearing aids that provide low frequency amplification (e.g. Oticon, Phonak, Resound, Sivantos, Starkey, Widex, Cochlear)
Accessories	Thinklabs high performance earbud headphones, carrying case, 100-240V USB-style charger, charger cable, Thinklink Interface kit (PC/Mac/Mobile etc.)
Telemedicine Platform Compatibility	Connects to audio inputs of most audio equipment including videoconferencing codecs (e.g. Cisco, Polycom), PC/Mobile (e.g. Vidyo, Zoom, WebRTC)
Apps/Software	Compatible with PC/Mac/iOS/Android audio recording/audio transmission apps, Thinklabs Stethoscope App (iOS), forthcoming Thinklabs apps (iOS, Android)

Medical Design Excellence Awards® 2016 FINALIST

The New England Journal of Medicine

The New York Times

About Us - Thinklabs Medical makes the revolutionary One Digital Stethoscope, featuring patented electromagnetic diaphragm technology, which provides exceptional sound quality and more than 100 times amplification. One is a favorite among clinicians in telehealth, medical education, infectious disease and veterinary applications, and anyone who demands studio-quality sound. Founded in 1991 and led by Clive Smith, a Caltech-educated electrical engineer, Thinklabs has been featured in The New York Times, New England Journal of Medicine, and Contemporary Pediatrics, and was named a finalist in the 2016 international Medical Design Excellence Awards.

http://thinklabs.com support@thinklabs.com +1-303-525-3458

Thinklabs One
Digital Stethoscopes

Introducing Thinklabs One: The smallest, most powerful stethoscope in the world ...

...for

Clinical Practice

Hearing Loss

Medical Education

ICU & Biocontainment

Telemedicine & mHealth

The Thinklabs One Digital Stethoscope is manufactured in the USA and used by discerning doctors worldwide, a favorite among clinicians in every area of medicine including cardiology, pulmonology, internal medicine, general practice, emergency medicine, intensive care, allergy and pediatrics. It is also used in veterinary medicine.

Telemedicine and mobile health systems use Thinklabs One for remote listening and recording. Its unique design has empowered innovators to monitor patients in ICU and biocontainment units, create new methods for teaching medical students, and provide solutions for hearing impaired clinicians. The One has an open interface, facilitating connection to almost any platform.

One in Clinics & Hospitals

Clinical Practice

Thinklabs One offers more than 100x amplification and features fully adjustable volume, so clinicians can hear heart, lung, blood pressure and other sounds—even in loud, chaotic environments. Its acoustic power makes it easier to listen to patients who are difficult to hear, such as those who are overweight or have faint heart sounds. The Thinklabs Stethoscope App allows clinicians to record sounds, transmit results for a second opinion, or attach to a patient record for monitoring over time.

The Thinklabs One is the biggest single advancement in the stethoscope since its invention. The radically different approach to design is awesome and the sound quality is great.
Eric Strong, MD, Stanford University School of Medicine

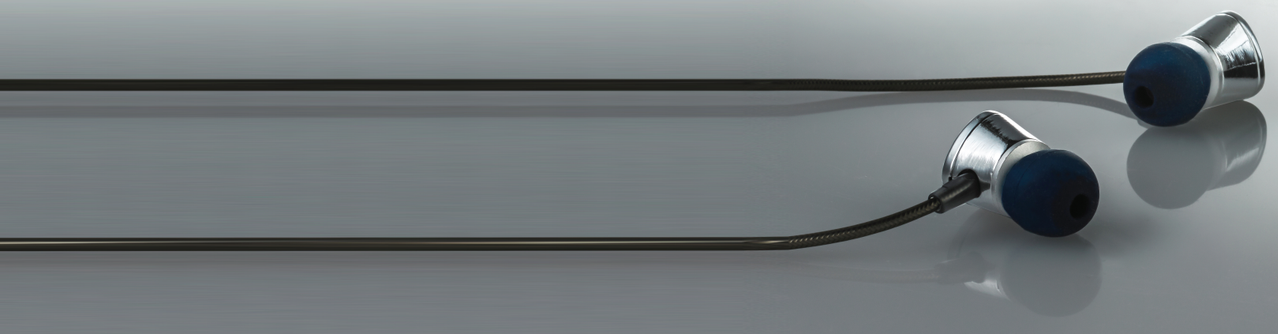
Clinicians who are hearing-impaired can use Thinklabs One without having to remove their hearing aids every time they auscultate. Using the stethoscope with a streamer or a favorite pair of headphones provides excellent sound quality. Thinklabs has an established community of clinicians with hearing loss, and is widely recommended by audiologists and leading hearing aid companies.

ICU & Biocontainment

During the worldwide Ebola crisis, Thinklabs One became the standard-of-care stethoscope at the front-line hospitals designated by the US Government for treating Ebola patients: Emory University Hospital, Nebraska Medical Center, and Bellevue Hospital in New York. Hospitals across the United States then adopted Thinklabs One for infectious patient care.

The listening experience is extraordinary, allowing great confidence diagnosing the pathologies of my little pediatric ICU patients.
Thomas J. Poulton, MD, FAAP, FACP, FCCM, Alaska Native Medical Center

The unique design of One allows healthcare workers to perform auscultation while protected in isolation environments. It's the only stethoscope that can be used with protective covers in the Emergency Department to reduce contamination when pre-screening admissions. One can also be used to examine a patient directly using earbuds or headphones, via bluetooth transmitters within the isolation room or to a consultant outside the room, connected to a loudspeaker, or by sending sounds via email or instant messaging on an iPhone or iPad.



One for Telemedicine & mHealth

Thinklabs One goes beyond the walls of the clinic and provides an easy means of remote live listening, recording, storing and forwarding heart and lung sounds for telemedicine applications. The One offers connectivity, simplicity, value and sound quality that works in any setting, including mobile platforms.

For superior audio fidelity, Thinklabs One is the hands-down winner.
Scott Jung, Editor, Telemedicine Magazine 2016 Buyers Guide

Because One has a direct analog audio output, it operates as an external microphone for any system. No SDK, special software, or API is required. Thinklabs One uses the conference audio channel for transmission and integrates seamlessly with almost any video conferencing system, including Cisco, Polycom, Vidyo, Zoom, Vsee, and WebRTC. That's why Thinklabs is the stethoscope of choice in telemedicine carts and kiosks across the globe.

One in Education & Research

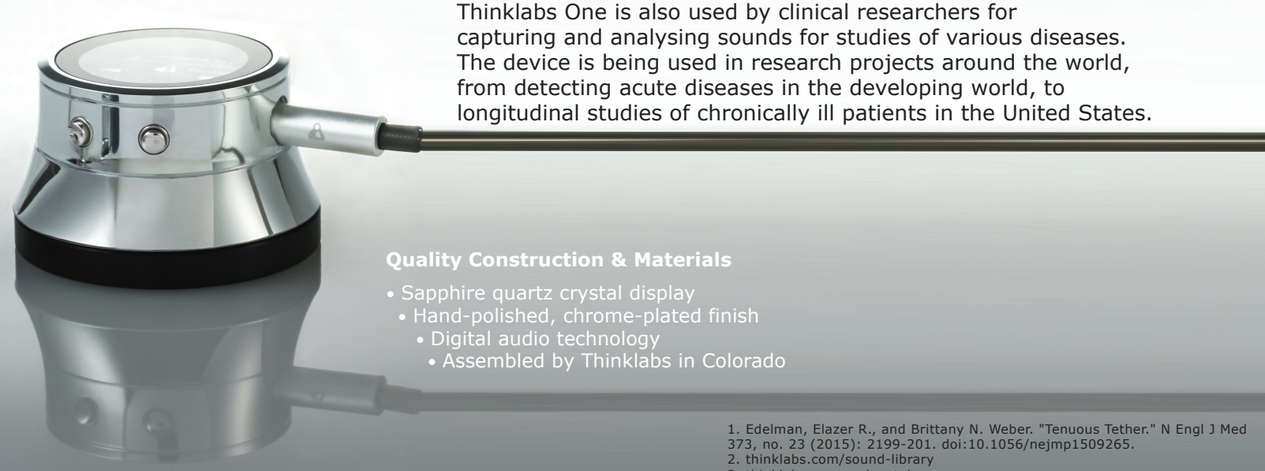
Thinklabs One has revolutionized medical education by changing the way auscultation is taught. Historically, a very time-consuming and difficult skill to master, Thinklabs One allows the educator to connect the stethoscope to a loudspeaker or headphone splitter, enabling students to listen live around a patient's bedside.

Thinklabs digital stethoscopes are used at leading medical schools across the United States, including Harvard University, Johns Hopkins University, the Mayo Clinic Medical School, and Stanford University. The One was recently featured in the *New England Journal of Medicine*[1], in an article about teaching physical diagnosis at Harvard, where it was described as "transformative."

The digital stethoscope is a transformative educational tool.
Elazer Edelman, MD, PhD, Harvard University

The Thinklabs Sound Library[2] and YouTube Channel[3] provide a vital and valuable resource for medical students and professionals. Contributors to the library include leading cardiology and pulmonology researchers from across the globe.

Thinklabs One is also used by clinical researchers for capturing and analysing sounds for studies of various diseases. The device is being used in research projects around the world, from detecting acute diseases in the developing world, to longitudinal studies of chronically ill patients in the United States.



Quality Construction & Materials

- Sapphire quartz crystal display
- Hand-polished, chrome-plated finish
- Digital audio technology
- Assembled by Thinklabs in Colorado

1. Edelman, Elazer R., and Brittany N. Weber. "Tenuous Tether." N Engl J Med 373, no. 23 (2015): 2199-201. doi:10.1056/nejmp1509265.
2. thinklabs.com/sound-library
3. thinklabsone.com/youtube