

3M Littmann Model 3200 Stethoscope

Powerful Capability. Incredible Simplicity.

Redefining what a stethoscope can do for you.

Hear it.

State-of-the-art sound sensor. Proprietary Ambient Noise Reduction (ANR) technology reduces on average 85% of unwanted background noise. Amplification capability when sounds are soft. Clinical evidence shows it's easier to detect difficult-to-hear heart sounds like S3 gallops, aortic regurgitation murmurs, as well as abnormal lung sounds. It all adds up to an exceptional listening experience—no matter what the environment—compared to acoustic scopes.

Record it.

Capture a sound for later playback. Helpful when seeking a peer opinion or when you are writing up notes on your patient's condition, after your patient has left.

Send it.

Bluetooth® technology lets you transmit sounds real-time to your PC, which can then be further analyzed, attached to medical records, or reviewed online with colleagues.

Confirm it.

Use available Zargis® Cardioscan™ software to help you detect and classify suspected heart murmurs while with your patient.

Or visualize heart and lung sounds using Zargis® StethAssist™ software, included free with every 3M™ Littmann® Electronic Stethoscope Model 3200.

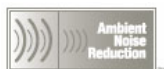
Two great tools that can enhance the auscultation process and help you hone your skills.



Sound Quality So Exceptional

You might never go back to your old stethoscope.

The 3M™ Littmann® Electronic Stethoscope Model 3200's exceptional sound capabilities deliver an exceptional auscultation experience. Clinical evidence shows that it's easier to detect difficult-to-hear heart sounds, like S3 gallops, aortic regurgitation murmurs, and abnormal lung sounds. Here's why:



Proprietary Ambient Noise Reduction Technology

It cancels out, on average, 85% of ambient background noise that can interfere with the auscultation experience, without eliminating critical body sounds. So you're much less likely to miss the sounds you need to hear in noisy work environments. A full 13% better than previous models.



Acoustic Seal Eartips and Tubing

Not only do our patented 3M™ Littmann® Snap Tight Soft-Sealing Eartips provide a comfortable fit, they also create an excellent acoustic seal, as does our tubing. It means a tighter seal from ambient noise entering through tubing and eartip connections.



State-of-the-Art Sound Sensor

Built to stringent specifications, it provides a life-like 3M™ Littmann® sound experience similar to a high-end cardiology stethoscope. Positioned at the base of the tubing, the sensor brings the sound more naturally to your ears.



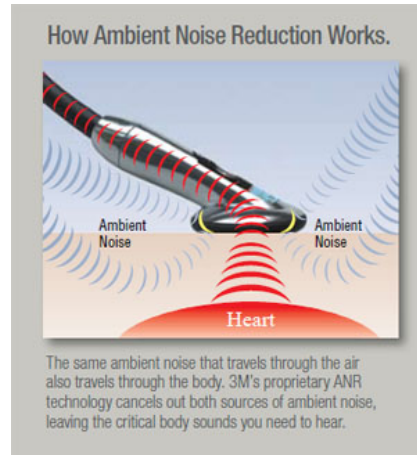
Frictional Noise Reduction Technology

A number of changes in the chestpiece help reduce handling noises compared to earlier electronic stethoscopes. It's less distracting. So it helps you focus more on what you need to hear.



Up to 24X Sound Amplification

Extra listening power for those times when you need it; may be helpful when a heart, lung or body sound is especially faint; when a patient is obese; or when a patient's clothing restricts your listening experience.



The User Interface You've Been Waiting For.

Incredibly simple. Non-disruptive to your auscultation workflow.



Easy to Operate

Dedicated controls for power on/off, bell/ diaphragm/extended range frequency, and (+) and (-) buttons to adjust sound level up or down.

Proprietary Ambient Noise Reduction (ANR) technology is always there when stethoscope is on.

And a menu button that brings you to screen-guided commands to operate recording and Bluetooth® features, and customize start-up settings, all in view while you auscultate.

Auto-on Feature

No waiting to start your next auscultation.

Stethoscope stays in battery-saving "sleep mode" until you start your next auscultation.

Always ready when you are.

Lightweight and Comfortable to Use

About the same weight as a cardiology-grade acoustic

Convenient LCD Interface

Advises you of current sound level, and if you are in bell, diaphragm, or extended range frequency mode.

Indicates remaining battery life and when Bluetooth® transmission is active.

Patient heart rate displays after just five seconds, then updates every two seconds.

A quick touch of the power button activates backlight for low-light conditions.

Worry-free Power

Multiple reminders when battery life is low.

Tool-free access to battery compartment.

Operates on single AA battery. Compatible with lithium batteries if additional battery life is desired.

Rugged Design for Years of Trouble-free Operation

Durable metal chestpiece.

stethoscope.

Traditional tubing design drapes comfortably over the neck, and folds easily into a pocket.

3M™ Littmann® patented soft-sealing eartips in two sizes for a custom fit.

Non-chill diaphragm for patient comfort.

Designed to withstand the rigors of your busy work day.

Performance tested to withstand accidental drops to the floor and impacts against bed rails and door frames.

Two-year eartip-to-diaphragm warranty.

Auscultating Patients of Different Sizes

The 3M™ Littmann® Electronic Stethoscope Model 3200 has a flat diaphragm for placement stability, but all sound pick-up happens at the center. So it's sized right for infants or adults. And the 24X amplification may be helpful when auscultating through the body of obese patients.



Centered sound sensor has a diameter of 15mm. Shown here at actual size.

Clinical Evidence

Studies comparing non-electronic, cardiology-type stethoscopes and the 3M™ Littmann® Electronic Stethoscope 3000 Series had these findings:

With the Littmann® Model 3000 Series Stethoscope...

83% of cardiologists indicated it was easier to detect/hear an S3 gallop ³

82% of cardiologists indicated it was easier to detect/hear an aortic regurgitation murmur (Grade 1 or 2) ⁴

90% of critical care nurses indicated it was easier to detect/hear abnormal lung sounds ⁵

When using a non-electronic, cardiology-type stethoscope vs. the Littmann® Model 3000 Series Stethoscope...

Cardiologists missed an S3 gallop **40% MORE OFTEN** ³

Cardiologists missed a Grade 2 aortic regurgitation murmur **5 TIMES MORE OFTEN** ⁴

Critical care nurses misidentified whether a sound was normal or abnormal **TWO TIMES MORE OFTEN** ⁵

Real Life Observations

Why so many clinicians love the 3M™ Littmann® Electronic Stethoscope Model 3000 Series sound experience.

Internist

"Acoustically superb, excellent diagnostic instrument."

Internist

"Offers a marked reduction in unwanted ambient noise when I listen for abnormal heart sounds."

MD - Emergency Medicine

" Helped me discover a carotid bruit that I wasn't able to hear with my conventional stethoscope."

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MD - Pediatrician	"I was immediately impressed with the acoustic clarity of hearing heart tones and murmurs, and the ability to discern pneumonias at an earlier treatment stage."
MD - Pediatrics and Family Medicine	"The ambient noise reduction is excellent, especially in a treatment room with two active kids. And breath sounds are much easier to analyze."
Cardiovascular Nurse	"I was able to quickly pick up difficult to hear heart murmurs that my peers with many more years of experience had trouble differentiating using a conventional stethoscope."
Cardiovascular Nurse	"Allows me to easily differentiate between high and low frequency sounds even when alarms and other ambient noise surrounds me."
Nurse Practitioner	"I can record, then listen, slow it down, identify it, listen in real time, then go back to the individual with the heart sound and listen through the stethoscope."

Caution: Federal law restricts this device to sale by, or on the order of, a physician.

1 Based on findings from interviews, conducted by 3M in collaboration with Zargis Medical, with interested cardiologists at the American College of Cardiology (ACC) 57th Annual Scientific Session (March 29, 2008–April 1, 2008, Chicago, Illinois). N = 39.

2 Clinical study conducted in 2005 by Zargis Medical in collaboration with The Johns Hopkins University School of Medicine. The study measured the accuracy of a group of primary care physicians in evaluating a set of 100 recorded heart sounds. The heart sounds were independently evaluated by each physician both with and without access to Cardioscan's reported findings. Clin Cardiol. 2008 Feb;31(2):79-83. The impact of computer-assisted auscultation on physician referrals of asymptomatic patients with heart murmurs. Watrous RL, Thompson WR, Ackerman SJ.

3 Comparison by trained Cardiologists of the 3M™ Littmann® Model 3000 Electronic Stethoscope with Ambient Noise Reduction to the 3M Littmann Cardiology III Stethoscope for the detection of recorded third heart sounds (S3) in the presence of simulated ambient noise.

4 Comparison by cardiologists of the 3M™ Littmann® Electronic Stethoscope Model 3000 with Ambient Noise Reduction to the 3M™ Littmann® Cardiology III Stethoscope for detection of recorded murmurs in the presence of simulated ambient noise. 70-2009-7406-4

5 Comparison by critical care nurses of the 3M™ Littmann® Electronic Stethoscope Model 3000 with Ambient Noise Reduction to the 3M™ Littmann® Cardiology III Stethoscope for detection of recorded lung sounds in the presence of simulated ambient noise. 70-2009-7405-6

