

3M™ Littmann®  
Electronic Stethoscope Model 3100



3100



Hear it.  
With Confidence.



# Sound quality so exceptional

You might never go back to your old stethoscope.

Clinical evidence shows the 3M™ Littmann® Electronic Stethoscope Model 3100 makes it easier to detect difficult-to-hear heart sounds like S3 gallops and aortic regurgitation murmurs, as well as abnormal lung sounds. Here's why:



## Proprietary Ambient Noise Reduction (ANR) 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 10% better than previous models.



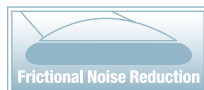
## Acoustic Seal Eartips and Tubing

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® Stethoscope 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

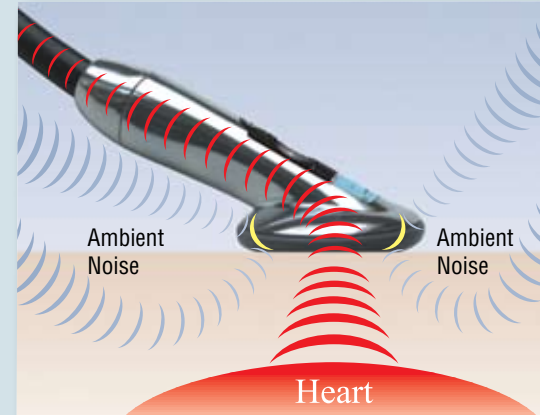
A number of changes in the chestpiece help reduce handling noises compared to earlier electronic stethoscopes. It's less distracting. So it helps you focus more on what you need to hear.



## 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.

## How Ambient Noise Reduction Works.



The same ambient noise that travels through the air also travels through the body. 3M's patented ANR technology cancels out both sources of ambient noise, leaving the critical body sounds you need to hear.

It all adds up to a great auscultation experience. Hear it. With confidence.

Ambient noise reduction technology

Frictional noise reduction technology

State-of-the-art sound sensor



# 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 frequency, and (+) and (-) buttons to adjust sound level up or down.

Proprietary Ambient Noise Reduction Technology is always there when stethoscope is on.

Menu button brings you to screen-guided commands to customize your start-up settings.

## Convenient LCD Interface

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

Indicates remaining battery life.

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.



### LCD Interface with Backlight

Once on, a quick touch of the power button activates the backlight. Holding it down for two seconds completely powers down the stethoscope.

## Auto-on Feature

No waiting to start your next auscultation.

Once on, stethoscope stays in battery-saving “sleep mode” until you start your next auscultation.

Always ready when you are.

## Worry-free Power System

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.

## Lightweight and Comfortable to Use

About the same weight as a cardiology-grade acoustic stethoscope.

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

Comes with two sizes of 3M™ Littmann® Snap Tight Soft-Sealing Eartips for a custom fit.

Non-chill diaphragm for patient comfort.

## Rugged Design for Years of Trouble-free Operation

Durable metal chestpiece.

Designed to withstand the rigors of your busy work day.

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

Two-year eartip-to-diaphragm warranty.



15 mm

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

### Auscultating Patients of Different Sizes

The 3M™ Littmann® Electronic Stethoscope Model 3100 has a flat diaphragm for stability, but all sound pick-up happens at the centre. So it's sized right for infants or adults. And the 24X amplification may be helpful when auscultating through the body of obese patients.

# Try the Littmann® Stethoscope Model 3100 Today!

Visit [www.Littmann.com/Model 3100](http://www.Littmann.com/Model3100) for an interactive demo.



## Clinical Evidence

In studies comparing non-electronic, cardiology-type stethoscopes and the 3M™ Littmann® Electronic Stethoscope 3000 series:

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*With the Littmann® Stethoscope 3000 Series...*

**83% of cardiologists** indicated it was easier to detect/hear an S3 gallop<sup>1</sup>

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

**90% of critical care nurses** indicated it was easier to detect/hear abnormal lung sounds<sup>3</sup>

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

Cardiologists missed an S3 gallop **40% MORE OFTEN**<sup>1</sup>

Cardiologists missed a Grade 2 aortic regurgitation murmur **5 TIMES MORE OFTEN**<sup>2</sup>

Critical care nurses misidentified whether a sound was normal or abnormal **TWO TIMES MORE OFTEN**<sup>3</sup>

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Don't Miss the

# Real Life Observations

Why so many clinicians love  
the Littmann® Stethoscope  
3000 series sound experience.

To read the full stories, visit [www.Littmann.com](http://www.Littmann.com).



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**Anesthesiologist** “Helps me pick up subtle, critical changes in breath sounds, even in the noisy operating room and pre-op areas.”

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**Cardiovascular Nurse** “Quiets the buzzing and humming of many machines when trying to listen to lung, heart and abdominal sounds.”

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**EMT** “Enables me to hear in the back of a screaming ambulance.”

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**Internist** “Offers a marked reduction in unwanted ambient noise when I listen for abnormal heart sounds.”

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**Nursing Student** “Blocks out virtually all ambient noise and is comfortable, too!”

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**Pediatric Nurse** “I can listen to patients on ventilators in the ICU even while nurses and doctors are talking and alarms are sounding.”

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**Pediatrician** “Makes hearing children’s cardiac and respiratory sounds much easier, even with other children running around.”

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**Respiratory Therapist** “Allows me to hear the very faint wheezes and crackles that I couldn’t hear with a conventional stethoscope.”

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# Sounds You Need to Hear

## Ordering Information

Description	Colour Choices	Catalogue Number
3M™ Littmann® Electronic Stethoscope Model 3100 - 27" length (69cm)	Black	3100BK27
	Navy Blue	3100NB
	Plum	3100PL

To learn more about the Littmann® Stethoscope Model 3100, and all 3M™ Littmann® Stethoscopes, visit us on the Web at [www.Littmann.com](http://www.Littmann.com). Or call 3M Health Care at 1 800 364-3577.

# [www.Littmann.com](http://www.Littmann.com)

### In Controlled Experiments

- 1) 191 cardiologists, the overwhelming majority of whom had not previously used the 3M™ Littmann® 3000 series, listened to pre-recorded heart sounds with and without an S3 gallop of two different magnitudes, presented in random order and in the presence of 70-75 dB ambient noise. They listened with both a Littmann® 3000 series and an acoustic (non-electronic) cardiology-type stethoscope.
- 2) 100 cardiologists listened to pre-recorded heart sounds with and without a Grade 1 or Grade 2 aortic regurgitation murmur, presented in random order in the presence of 70 –75 dB ambient noise. They listened with both a Littmann® 3000 series and an acoustic (non-electronic) cardiology-type stethoscope.
- 3) 136 critical care nurses listened to, and were asked to identify, pre-recorded normal and abnormal lung sounds presented in the presence of 70-75 dB ambient noise, using a Littmann® 3000 series and an acoustic (non-electronic) cardiology-type stethoscope.



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