

# Stethtron - *Electronic Stethoscope*

---

E-Mail: eecindia@gmail.com  
Website: <http://www.eeconnet.com>

Tele/Fax : 91-44-24925853 / 24481680  
T-4, VSI Estate , Chennai – 600041, India

## ***STETHTRON makes auscultation easy .....***

It is light and handy as your regular stethoscope.  
When you use STETHTRON , you will discover the amazing power that you have never been able to get with your conventional stethoscope. Until now....

There is no need to strain your ears and concentrate during auscultation. Heart sounds, respiratory sounds and murmurs can be heard loud and clear. The faintest murmur or abnormality can now be easily detected.

***Auscultation becomes a pleasure!***

With the comforting knowledge that your diagnosis is right ...



### **Advanced Features :**

Micro-Processor based design and advanced solid state integrated circuitry give you true-to-life sound reproduction. External noise reduction and unique MPCG technology. Epoxy sealing for total reliability. Soft - touch switches with easy finger control for volume adjustment.

With STETHTRON, you experience sound so real - it is live!

This new generation stethoscope is specially designed for the busy and thorough medical professional.

With exclusive soft sealing ear-tips for extra comfort....

your ears will love to wear Stethtron all day !

And the STETHTRON advantage with these unmatched features is available at a price that's a pleasant surprise.

# Stethron - *Electronic Stethoscope*

---

E-Mail: [eecindia@gmail.com](mailto:eecindia@gmail.com)  
Website: <http://www.eeconnet.com>

Tele/Fax : 91-44-24925853 / 24481680  
T-4, VSI Estate , Chennai – 600041, India

**You can listen to life with ease ...**

**Hear what you were earlier missing !**



**Loud and Distinct  
I,II,III,IV heart sounds**



**Crystal-Clear  
murmurs & respiration sounds**

## **Advanced Features :**

The Electronic Stethoscope has advanced features such as :-

- \* Miniature size:Entire electronics is integrated inside a conventional size chest-piece
- \* High acoustic sensitivity provides powerful and crystal clear amplification of heart sounds, respiratory sounds and faint murmurs
- \* Easy finger-tip graduated volume-control
- \* Dual-Frequency diaphragm enables convenient single-sided chest piece operation
- \* Electronic Filter to differentiate sounds of variable frequency or pitch
- \* Special noise-reduction circuitry to minimize external noises
- \* Unbreakable chrome-metal chest-piece
- \* High-flexibility polymer tubing with rugged binaural spring
- \* Light in weight
- \* Feather-soft ear-tips
- \* Non-Chill rim for patient comfort
- \* Choice of Two Models - LG300 and HG900

# Stethtron - *Electronic Stethoscope*

---

E-Mail: eecindia@gmail.com  
Website: <http://www.eeconnet.com>

Tele/Fax : 91-44-24925853 / 24481680  
T-4, VSI Estate , Chennai – 600041, India

***The Stethtron Electronic Stethoscope is available in two Models :-***

**\* Stethtron Electronic Stethoscope - Model LG-300 :**

This is standard model is recommended for medical professionals who need the best device for auscultation. It is preferred by most cardiologists, general physicians, M.D.s in chest / respiratory diseases or general medicine. It is designed for doctors with normal hearing. It can also be used by doctors with mild hearing loss. Heart sounds, respiration sounds and faint murmurs can be heard loud and clear. And with no external disturbances . With Model LG300, the heart/chest specialist doctor can make a more reliable auscultation diagnosis.

**\* Stethtron Electronic Stethoscope --Model HG-900**

This is specially designed for doctors with hearing loss / disability :-

- \* Doctors who can hear and converse normally ; but have difficulty in hearing heart or lung sounds through a stethoscope. Or, those who have difficulty in picking up faint murmurs; or blood pressure sounds.
- \* Doctors who use a Hearing-Aid to compensate for mild to high neuro-sensory hearing loss. With the hearing aid, they are able to listen and manage conversation ; but are unable to use the conventional stethoscope, which is so essential in their medical practise. Model HG-900 is a boon for all Doctors with Hearing Loss.



***Auscultation is Easy***

**Operation of STETHTRON is simple :**

- 1) Put on the binaural earframe.
- 2) Keep the chestpiece on the subject, at the desired location.
- 3) Switch On instrument using the POWER switch.
- 4) Increase the VOLUME to the desired level.
- 5) To change pitch of the sounds, use the FILTER switch.
  - \* For low pitch heart sounds, murmurs and respiratory sounds, keep the Filter switch in LO-FILTER position.
  - \* For high pitch heart sounds, press Filter switch to HI-FILTER position.

# Stethron - *Electronic Stethoscope*

---

E-Mail: [eecindia@gmail.com](mailto:eecindia@gmail.com)  
Website: <http://www.eeconnet.com>

Tele/Fax : 91-44-24925853 / 24481680  
T-4, VSI Estate , Chennai – 600041, India

## Technical Specifications:

Sensor : Air- coupled HIR sound transducer activated by diaphragm

Amplifier : Solid-state integrated circuit gives  
a) 1 to 5 fold amplification in Model LG 300  
b) 1 to 10 fold amplification in Model HG 900

Volume : Continuously adjustable by graduated 1 to 5 potentiometer

Filter : 2 - Way Electronic Filter Switch  
a) LO-Filter for low pitch sound;  
b) HI-Filter for high pitch sound

Mechanical : Glass epoxy sealed PCB, Unbreakable ABS/Cr-Metal body;  
Soft Polymer tubing / Ear-tips, Stainless Steel Binaural Spring.

Power : One 3 Volt Lithium Cell : Type CR 2032, or equivalent.

Size/Weight : Chestpiece: 5 cm round / 3 cm high;  
Y-tubing: 55 cms long. Black/Grey color - 180 gms -  
Carry Case: 27 x 15 x 5 cms