



## AI-Powered Stethoscope with ECG

### Advantages

- Patented noise cancellation and smart amplification
- Real-time visualization of cardiac waveforms displayed on a Mobile App.
- Collaboration with specialists by sharing patient data for remote diagnosis and expert opinion

### Benefits

- Saves time and cost
- Easy to use
- Instantaneous evidence-based detection
- Enables superior auscultation even in noisy environments
- Allows real-time collaboration with remote specialists and Telemedicine

### Features

- Integrated ECG leads
- Familiar Stethoscope form factor
- Mobile App displays PCG and ECG waveforms on any smart device
- Smart amplification and noise cancellation for clear heart sounds
- Provision to save/share patient recordings for remote diagnosis/expert opinion

### HD Steth App

- Available on Android/iOS based smart devices
- Free download from the App Store, Play Store & HD Medical website
- Records waveforms and patient data which can be easily sent to specialist for Tele-consultation
- Record, save, review, replay, share, generate and print reports



# Technical Specifications

## Display

Graphic OLED, 64 x 48, Blue on Black, 18.5mm x 18.1mm, -40 C

## Electrical

**Battery:** One Rechargeable Li-Ion 18650 (Size) 3400mAh 3.7V - 8 hours of continuous operation

**Charger:** 100-240V AC, 50/60 Hz, Output: 5.0 V DC, 2000 mA.

## Environmental

- Operating Temperatures: 5°C to 47°C
- Storage Temperature: -10°C to +60°C
- Humidity: 20% to 80%
- Atmospheric Pressure (kPa): 101.3 kPa to 79.4 kPa
- Physical Weight: 230 grams (approx. - including battery)
- Length: 740 mm
- Width of Chest piece: 56 mm
- Height of Chest piece: 43 mm
- Emission compliance: EN55011, CISPR 11, Group 1 Class A
- Electrical Shock Protection: Type BF
- Enclosure Degree of protection: IPX1
- Biocompatibility: ANSI/AAMI/ISO 10993

## International Regulatory Standards

ANSI / AAMI / IEC 60601-1-2:2014 / EN 60601-1-2:2015 / IEC 60601-2-27

## TEST

Conducted Emission  
Radiated Emission  
Harmonics on AC Mains  
Flicker  
Electrostatic Discharge  
Radiated Susceptibility  
Electrical Fast Transients and Bursts  
High Energy Surge  
Conducted RF  
Power Frequency  
Magnetic Field  
Voltage dips & interruptions  
Electrical Safety & Essential Performance

## EN STANDARD

EN 55011:2016+A1:2017  
EN 55011:2016+A1:2017  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN 61000-4-2:2009  
EN 61000-4-3:2006+A2:2010  
EN 61000-4-4:2012  
EN 61000-4-5:2014  
EN 61000-4-6:2014  
EN 61000-4-8:2010  
EN 61000-4-11:2004  
IEC 60601-1:2005 (Third Edition) + CORR. 1:2006 + CORR. 2:2007 + A1:2012 (or IEC 60601-1: 2012 reprint)  
IEC 60601-1 Clause 15.3.4.1

Drop Test



**HD Medical Services (India) Pvt Ltd**

#11, East Coast Road,  
Kanathur, Chennai 603112. INDIA

1800 890 2248

info@HDMedicalGroup.com www.HDMedicalGroup.com



# K201299



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