Manufacturer	CONTEC MEDICAL SYSTEMS CO., LTD
Manufacturer Address	No.24 Huanghe West Road Economic and Technical Development Zone Qinhuangdao, CN-13 China 066004
Manufacturer Web Address	http://www.contecmed.com
Distributor	Contec & www.echostore.com
Model Name	Visual Electronic Stethoscope CMS-VE
List Price	$159.99
Our Price	$119.99
FDA Classification	Not approved
CE/UL	CE
Power Supply	Mini USB, 4.2V rechargeable lithium battery. Working voltage 3.6V-4.2V DC
Technical Support Options	Contact warrant service agent at company.
Warranty	Yes, against parts and labor. Will not cover damage caused by dismantling by consumer. Term ?
Temperature Range Storage	-10°C - 50°C, relative humidity 10-95%
Temperature Range Usage	5°C - 40°C, relative humidity 20-80%
Product Dimensions	57mm(L)x32mm(W)x30mm(H)
Weight	50g
Battery Life	10 hours at normal temperature
Battery Replacement Period	When battery is full, if use is limited to less than 30 minutes or battery is not charging-replace battery. Replace battery every 6 months.
Low Battery Indicator	Yes. Graphical indicator located on the LCD screen.
Digital or Amplifying or Both	Amplifying
Amplification Amount	Up to 32x
Output Options (Audio/USB/Serial)	Audio via 3.5mm cable
Wireless/Bluetooth	None
Network Transfer Options	None
Frequency	20 – 20000Hz
Frequency Bell	20-230 Hz
Frequency Diaphragm	100-800 Hz

Frequency Extended	H&L 20-800 Hz
Ambient Noise Reduction	Unavailable from manufacturer
Replacement Parts	Can be purchased from manufacturer
Latex Free (Yes/No)	Yes
Diaphragm (Hardware/Electronic)	Electronic
Ear Tips/Headphones/Both	Headphones
Ear Tip Characteristics	Ear tip headphones included
Tubing Length	N/A
Volume Adjustment (Yes/No)	Yes, range 0-16.
Auto Off/Power Save Options	3 minutes from last button activation
Care/Cleaning/Maintenance	Before cleaning, switch off power. Do not use solvents on unit. Never clean with an abrasive such as steel wool or metal polish. Do not allow liquid to enter the product, and do not immerse any parts of the device into any liquids. After cleaning device surface, wipe the surface of the device with alcohol and dry surface. Do not attempt to sterilize the equipment by high temperature or high pressure steam sterilizing process. Do not use E-beam or gamma radiation sterilization or other methods. Recharge the battery when indicated on screen. Device needs to be calibrated once a year by a qualified technician. DO NOT use device in environment with flammable gas such as some ignitable anesthetic agents.
Number of Parts	2 (earphones & unit)
Integrated Software Package (Capture/S&F/Analysis/Diagnosis)	N/A
Accompanying Software Name	None
Additional Hardware Features (Visual Waveform, SpO2, HR, Visual Indicators)	Pulse ox monitor input, Visual indicator (EKG waveform, HR, SpO2)
Carrying Case	No. Lanyard included.
Functional Aspects	
Powering Up	Press the On/ Off button.
Power Indicator Light	Full color LED screen located on unit.
Type of On/Off Switch	Single purpose button, clearly labeled. Located on front of unit.
Modes Available	Heart, Lung, H&L(wide)
Changing Modes	Press central button on top of the unit. Visual read out on the LCD changes. Button unclear.
Changing Volume	Press plus and minus button on the top of the unit. Visual read out on the LCD changes, clearly labeled as Volume. Range 0-16.
Mute Button	None
Auto Shut Off	None noted during testing, however product literature states 3 minutes after last button push.

Powering Off	Press the On/Off button. “Thanks for using” message upon power down on LCD monitor.
Retained Settings	Yes, both mode and volume. Clear visual indicator of mode and volume settings.
Recording Options	No
Does it Require Separate Send/Receive Unit	No
Interface (how?, what mechanism)	No
Pros	SpO2 feature unique and usable. LCD monitor clear and usable. This seems to be a consumer product suitable for home use. Visible EKG readout exists.
Cons	Difficult to place. Static sound interference painful to ears when moving unit. Diaphragm integrated into the unit, there is no chest piece. Included ear buds/headphones are poor quality. No auto shut off or power saving features. Heart rate visual display subject to random changes due to sensor movement. The only way to obtain reasonable heart tones is by using professional quality headphones.
Instruction Manual	Sections difficult to interpret.
PDF Version Available Online	