Welch Allyn Elite ES Product Cut Sheet

Manufacturer	Welch Allyn
Manufacturer Address	4341 State Street Road, PO Box 220 Skaneateles Falls, NY 13153-0220
Manufacturer Web Address	www.welchallyn.com
Distributor	Steele Supply Company
Model Name	Welch Allyn Elite Electronic Stethoscope
List Price	$317.88
Our Price	$317.88
FDA Classification	Class II
CE/UL	CE
Power Supply	CR123A Lithium Battery
Technical Support Options	Company website or call 1-800-289-2501.
Warranty	1 yr. Does not cover damage in shipment or failure caused by tampering, obvious carelessness or abuse.
Temperature Range Storage	-20°C - 60°C
Temperature Range Usage	5°C - 40°C, Relative Humidity 90% non-condensing
Product Dimensions	32.5 inches
Weight	170g
Battery Life	140 hours of normal use. Expected battery life time is approximately 240 hours. Non-rechargeable.
Battery Replacement Period	After depleted, need replaced.
Low Battery Indicator	None
Digital or Amplifying or Both	Amplifying

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Amplification Amount	Up to 93 decibels
Output Options (Audio/USB/Serial)	Audio (2.5mm stereo)
Wireless/Bluetooth	No
Network Transfer Options	None
Frequency	20 - 20000 Hz
Frequency Bell	20 - 420 Hz
Frequency Diaphragm	350 - 1900 Hz
Frequency Extended	N/A
Ambient Noise Reduction	No
Replacement Parts	Available from manufacturer and distributors.
Latex Free (Yes/No)	Yes
Diaphragm (Hardware/Electronic)	Electronic
Ear Tips/Headphones/Both	Ear tips, binaural
Ear Tip Characteristics	Rotatable for comfort and fit
Tubing Length	18 inches
Volume Adjustment (Yes/No)	Yes 15-90 dB
Auto Off/Power Save Options	Yes. The unit will automatically shut down after 3 minutes of on-time.
Care/Cleaning/Maintenance	A cotton wipe with soap and water, alcohol or chlorhexidine can be used to clean the stethoscope. Do not immerse any part of the unit in water or any other liquid as this may damage the electronics inside. A cap covering the ear tip may be required when working outside in wind or in other extremely noisy environments.
Number of Parts	1 (unit)
Integrated Software Package (Capture/S&F/Analysis/Diagnosis)	Yes. (Capture/S&F/Analysis/Diagnosis)
Accompanying Software Name	Elite Analyzer Software
Additional Hardware Features (Visual Waveform, SpO2, HR, Visual Indicators)	None
Carrying Case	No
Functional Aspects	
Powering Up	Press the heart button to turn the unit on in bell mode. Press the lung button or off button to turn the unit on in diaphragm mode. No distinct button.
Power Indicator Light	Red light behind the heart button on the chest piece in bell mode. Blue light behind the diaphragm button on the chest piece in diaphragm mode.
Type of On/Off Switch	Buttons located on the chest piece. No clear On button, press any button to power up. Dual purpose Off button. Difficult to consistently press button with finger.
Modes Available	Bell & Diaphragm
Changing Modes	Press either the button marked with lungs for diaphragm mode or the button marked with a

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	heart shape for bell mode. Each button is located on the chest piece. When in bell mode, a red light comes on behind the heart shaped button. When in diaphragm mode, a blue light comes on behind the lungs button. To switch between modes you must press the off button in between and turn the unit off in between selections.
Changing Volume	Once unit powered on, press the +/- buttons to adjust volume level. The buttons are dual duty, sharing mode and volume indication. Each time the unit is powered on, it starts at middle volume. There is a tone in the ear tips each time the volume is adjusted, with a unique tone when it reaches the minimum and maximum volumes.
Mute Button	No
Auto Shut Off	Yes. The unit will automatically shut down after 3 minutes of on-time. No retained settings, may shut off mid-evaluation.
Powering Off	Distinct Off button. Press button. Button difficult to press.
Retained Settings	No. Automatically turn on with volume set at midway point.
Recording Options	None
Does it Require Separate Send/Receive Unit	Yes. (stethoscope & analyzer hardware)
Interface (how?, what mechanism)	2.5mm Stereo cable attached to analyzer hardware utilizing Elite Analyzer software.
Pros	Ear tips are comfortable. Chest piece easy to hold. Single unit. Audio port is easily accessed.
Cons	The power On button is not clear. To change between bell and diaphragm modes, the unit must be powered off in between selections. The buttons on the chest piece are difficult to press with your fingertips. It is hard to read the +/- when the LEDs are illuminated. Battery compartment is difficult to close.
Instruction Manual	Inconsistencies noted in manual related to operation. Color pictures, concise, and clear documentation.
PDF Version Available Online	Yes

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