eko

CORE 500®

Digital Stethoscope



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Spec Sheet

Product Information

Name Standard Bundle	Eko CORE 500™ Digital Stethoscope
SKU	COR501

Product Features

AUDIO	
TrueSound™ technology	✓
Sound amplification Active	Up to 40x
noise cancellation	✓
Background noise reduction	Up to 8x vs. typical analog stethoscope
3 audio filter modes	Cardiac, Pulmonary, and Wide
Wireless listening option	✓
DATA	
Full-color display	✓
Heart rate measurement	✓
Heart sound visualization (PCG)	✓
1-lead and 3-lead ECG visualization	✓
ECG vectors	3
Arrhythmia detection supported by Eko AI	✓
Ability to record, save, and share data	✓
One-tap pairing with Eko software	✓
DURABILITY	
Comfortable eartips	✓
Splash resistant	✓
Scratch resistant	✓
Shatter resistant	Tested at a height of 6 feet

Connection & Storage

Bluetooth wireless connection	Bluetooth 4.2 LE
File formats	.WAV and .PDF

Technical Specs

Chestpiece and earpiece combined weight	6.6 ounces (186 grams)
Chestpiece and earpiece combined length	27 inches (685mm)
Chestpiece display diameter	1.79 inches (4.57 cm)
Chestpiece height	1.49 inches (3.78 cm)
Chestpiece weight	3.14 ounces (88 grams)
Diaphragm diameter	1.18 inches (3.0 cm)
Diaphragm thickness	0.0078 inches (0.2 mm)

Power

Rechargeable lithium-ion battery life	Up to 60 hours of regular clinical use
Power on/off button	✓
Auto sleep mode	✓
Charging method	USB-C

Construction & Materials

Binaural construction	The earpiece contains 2 speakers positioned at the user's ears similar to a traditional headphone design. Each speaker has a sealed, tuned back volume to control low frequency reproduction and to aid in isolating the user from background noise.
Earpiece connection	The earpiece connects to the chest piece via a TRS jack connector secured in position by a quarter turn locking mechanism.
Diaphragm material	Silicone
IP rating	IP-44
Eartip material	Soft sealing, extra eartips
Headset material	Vinyl tube, silicone eartips, and aluminum stems
Does not contain natural rubber latex or phthalate plasticizers	✓

Certifications & Licenses

FDA 510k Cleared (Prescription Use Only)
IEC60601-1, IEC60601-1-2, IEC60601-1-11, IEC60601-2-47 Compliant
ISO 13485:2016 Certified (Eko Health)
MDSAP Certified (Eko Health)
HIPAA and GDPR Compliant