



hearTest
occ health

CE-certified boothless audiometer
that can be used for mobile, onsite hearing tests.

Make hearTest Occ Health part of your hearing conservation program and regulatory compliance efforts.

Healthy hearing is fundamental for effective workplace communication, employee well-being, and productivity. Safeguard employee hearing with a digital audiometry solution that makes onsite testing efficient, accurate, cost-effective and OSHA compliant.



We comply with international standards and regulations

Please visit our [product page](#) for a full list of all standards and certifications

Registrations & certifications

United States
FDA registered

Europe
CE-marked

Australia and New Zealand
ARTG and MedSafe listed

South Africa
SAHPRA registered

What sets heartest apart from competitor solutions?



Environmental noise monitoring

Smart noise monitoring before and during testing alerts users of ambient noise concerns.



Standard Threshold Shift calculation

Baseline audiogram with standard threshold shift (STS) reporting.



Ambient noise attenuation

Insert earphones with ear defenders for noise attenuation equivalent to a single-wall soundproof booth.



Real-time, integrated reporting

Consolidate patient, test and facility data in real-time on hearX Cloud, our cloud-based Electronic Health Record (EHR) portal.



Country-specific Occ Health protocols

Adapt to regional requirements seamlessly, with protocols that are designed to meet country-specific occupational and regulatory standards.



Secure data management

hearX® is HIPAA compliant and completed a SOC 2® Type I assessment, which validates our commitment to critical security standards to protect customer data.



Extended high-frequency testing

Determine hearing threshold shifts in the high frequency range, using calibrated headphones for early identification of possible hearing loss.

And even more...

- Percentage Hearing Loss (PLH) calculations
- Standard Threshold Shift (STS) calculations, including STS with age correction and OSHA Recorded STS
- Automated, manual, and smart manual testing available
- Import or add baseline
- Ability to revise baselines
- Patient signature for consent
- Test reliability metrics
- Conditioning functionality
- Healthcare professional sign-off feature
- Employee hearing records management

Hardware sets you can choose from



Occupational Health **insert** hardware set

- Samsung Tab A tablet
- RadioEar IP30 P5011 insert headphones
- Peltor with 3M™ PELTOR™ X Series ear muffs
- Pack of 500 disposable foam tips
- DAC (Digital-to-Analog Converter)
- Hardcover bag with protective foam inserts



Occupational Health **over ear** hardware set

- Samsung Tab A tablet
- RadioEar DD450 headphones
- DAC (Digital-to-Analog Converter)
- Hardcover bag with protective foam inserts

Occupational health protocols are pre-programmed and available for selection

OSHA

Baseline and annual audiometric testing

NAL 80

Baseline, periodic and exit audiometry protocols

SANS 10083

Occupational health baseline, monitoring and exit protocol

Technical specifications

Carry case dimensions <ul style="list-style-type: none">Includes a handleIncludes a shoulder strap	<ul style="list-style-type: none">35 cm x 26 cm x 12 cm13.77 inch x 10.23 inch x 4.72 inch
Net weight (contents: tablet, headphones, and charger)	< 1 kg
Shipping weight (quantity=1)	2 kg
Safety and design standards	<ul style="list-style-type: none">IEC 60645-1IEC 60601-1-2IEC 62304
Degree of protection (electric shock)	Type B applied part
Warm up time	None
Protection against ingress (IP): <ul style="list-style-type: none">TabletHeadphones	<ul style="list-style-type: none">IP68Not specified
Usage environment	Professional healthcare environment
Operating conditions <ul style="list-style-type: none">TemperatureHumidityAmbient pressure	<ul style="list-style-type: none">15 to 35 °C30 to 90 % RH Non-Condensing98 to 104 kPa
Shipping and storage conditions <ul style="list-style-type: none">TemperatureHumidityAmbient pressure	<ul style="list-style-type: none">0 to 30 °C30 to 60 % RH Non-Condensing70 to 106 kPa

Tone specifications

Type	Pure tone	
Frequencies* <i>*Headphone dependant</i>	125, 250, 500, 750, 1000, 1,500, 2,000, 3,000, 4,000, 6,000, 8,000, 10,000, 12,500, 16,000	
Rise / fall time	35 ms	
Total harmonic distortion	<2%	
Intensity range* <i>*With DAC: From -10 dB HL</i>	Insert hardware IP30 P5011 & 3M Peltor ear defender with DAC <ul style="list-style-type: none">125 Hz: -10 to 80 dB HL250 Hz: -10 to 90 dB HL500 to 4,000 Hz: -10 to 100 dB HL6,000 and 8,000 Hz: -10 to 80 dB HL	Over ear hardware RadioEar DD450 with DAC <ul style="list-style-type: none">125 Hz: -10 to 75 dB HL250 Hz: -10 to 90 dB HL750 to 4,000 Hz: -10 to 95 dB HL6,000 and 8,000 Hz: -10 to 90 dB HL10,000 Hz: -10 to 80 dB HL12,500 Hz: -10 to 75 dB HL16,000 Hz: -10 to 55 dB HL

Headphone specifications

	IP30 P5011 *Referenced to 0 dB HL testing from 500 Hz and up		DD 450 *Referenced to 0 dB HL testing from 500 Hz and up	
	Insert* *Insert earphones covered by 3M circumaural ear defenders		Over ear	
Frequency [Hz]	MPANL [dB]	RETSPL ^[a] [dB]	MPANL [dB]	RETSP ^[a] [dB]
125	83	28	64	30.5
250	71	17.5	51	18
500	57	9.5	38	11
750		6		6
1,000	50	5.5	38	5.5
1,500		9.5		5.5
2,000	44	11.5	37	4.5
3,000		13		2.5
4,000	55	15	51	9.5
6,000		16		17
8,000	56	15.5	56	17.5
10,000				22
12,500				27.5
16,000				56
	Attenuation is similar to a soundproof booth.			

^[a] RETSPL: (determined using an IEC 60318-1 ear simulator)



See hearTest Occ Health in action

Contact our team to book a free demo, and join our mission as we continue to break barriers in clinical research and hearing testing.

www.hearxgroup.com | US: +1 (415) 212-5500 | ZA: +27 (0) 12 030-0268
OR email sales@hearxgroup.com

USA 2140 South DuPont Highway, Camden,
Kent County Camden, DE 19934

ZA Ground Floor, Building 2, Ashlea Gardens
Office Park, 180 Garsfontein Road, Ashlea
Gardens, Pretoria, 0081

Please note: Shipping charges are included for local shipments in the USA. Additional charges will apply for shipments outside of the USA.

hearX® is committed to protecting your privacy and ensuring that personal information is collected and used lawfully and transparently. We use the information provided to contact you about relevant products, services and content. You may unsubscribe at any time. Standard hearX Privacy Policy applies.

FDA Registered | ISO 13485 Certified | SAHPRA Registered | HIPAA Compliant | POPIA Compliant | GDPR Compliant

hearX  @hearxgroup  @hearX_Group  @hearX Group  @hearxgroup

Copyright © 2016 - 2025 hearX USA. Copyright in this work including its layout and the designs contained herein is reserved and the making of copies is prohibited.