



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 hearX 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 mHealth Studio, 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"> <li>Includes a handle</li> <li>Includes a shoulder strap</li> </ul>	<ul style="list-style-type: none"> <li>35 cm x 26 cm x 12 cm</li> <li>13.77 inch x 10.23 inch x 4.72 inch</li> </ul>
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"> <li>IEC 60645-1</li> <li>IEC 60601-1-2</li> <li>IEC 62304</li> </ul>
Degree of protection (electric shock)	Type B applied part
Warm up time	None
Protection against ingress (IP): <ul style="list-style-type: none"> <li>Tablet</li> <li>Headphones</li> </ul>	<ul style="list-style-type: none"> <li>IP68</li> <li>Not specified</li> </ul>
Usage environment	Professional healthcare environment
Operating conditions <ul style="list-style-type: none"> <li>Temperature</li> <li>Humidity</li> <li>Ambient pressure</li> </ul>	<ul style="list-style-type: none"> <li>15 to 35 °C</li> <li>30 to 90 % RH Non-Condensing</li> <li>98 to 104 kPa</li> </ul>
Shipping and storage conditions <ul style="list-style-type: none"> <li>Temperature</li> <li>Humidity</li> <li>Ambient pressure</li> </ul>	<ul style="list-style-type: none"> <li>0 to 30 °C</li> <li>30 to 60 % RH Non-Condensing</li> <li>70 to 106 kPa</li> </ul>

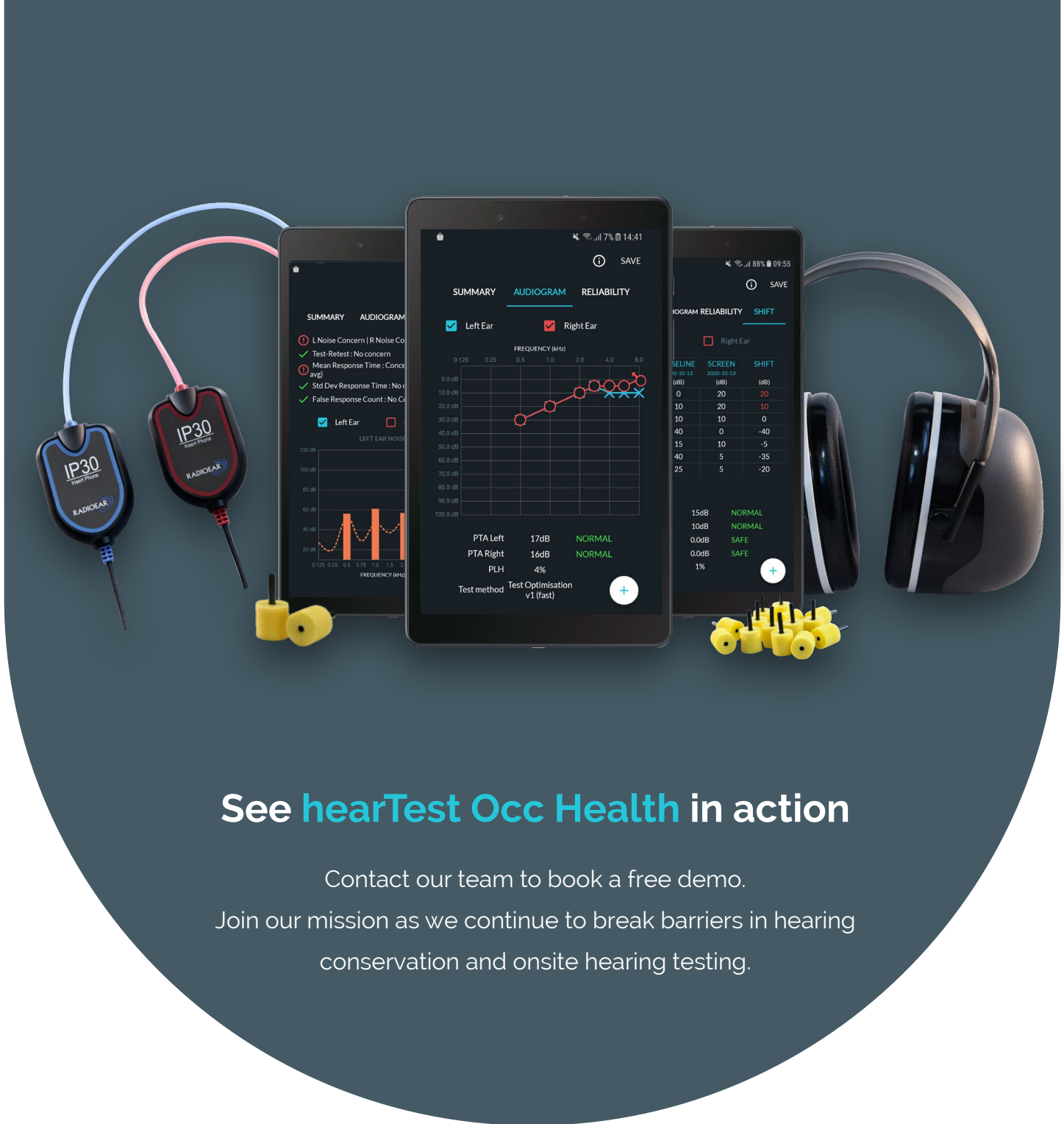
## Tone specifications

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>	<b>Insert hardware IP30 P5011 &amp; 3M Peltor ear defender with DAC</b> <ul style="list-style-type: none"> <li>125 Hz: -10 to 80 dB HL</li> <li>250 Hz: -10 to 90 dB HL</li> <li>500 to 4,000 Hz: -10 to 100 dB HL</li> <li>6,000 and 8,000 Hz: -10 to 80 dB HL</li> </ul>	<b>Over ear hardware RadioEar DD450 with DAC</b> <ul style="list-style-type: none"> <li>125 Hz: -10 to 75 dB HL</li> <li>250 Hz: -10 to 90 dB HL</li> <li>750 to 4,000 Hz: -10 to 95 dB HL</li> <li>6,000 and 8,000 Hz: -10 to 90 dB HL</li> <li>10,000 Hz: -10 to 80 dB HL</li> <li>12,500 Hz: -10 to 75 dB HL</li> <li>16,000 Hz: -10 to 55 dB HL</li> </ul>

## Headphone specifications

	<b>IP30 P5011</b> *Referenced to 0 dB HL testing from 500 Hz and up		<b>DD 450</b> *Referenced to 0 dB HL testing from 500 Hz and up	
	<b>Insert*</b> *Insert earphones covered by 3M circumaural ear defenders		<b>Over ear</b>	
<b>Frequency [Hz]</b>	<b>MPANL [dB]</b>	<b>RETSPL<sup>[a]</sup> [dB]</b>	<b>MPANL [dB]</b>	<b>RETSP<sup>[a]</sup> [dB]</b>
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.			

<sup>[a]</sup> RETSPL: (determined using an IEC 60318-1 ear simulator)



## See **hearTest Occ Health** in action

Contact our team to book a free demo.

Join our mission as we continue to break barriers in hearing conservation and onsite hearing testing.

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


 @hearxgroup
  @hearX\_Group
  @hearX Group
  @hearxgroup

© 2016-2024 hearX IP (Pty) Ltd. Copyright in this work including its layout and the designs contained herein is reserved and the making of copies is prohibited.