

## WHAT IS HEARTEST?

A world-first pure tone audiometry solution on a smartphone. Using calibrated headphones, it is a certified audiometer (IEC 60645-1) supporting extended high-frequencies (8 - 16 kHz). The user-friendly design allows automated or operator-controlled testing with real-time quality control.

## OCCUPATIONAL HEALTH COMPLIANCE

- Complies to type 4 IEC 60645-1 audiometer requirements.
- Baseline, periodic and exit audiometry protocols (SANS 10083:2013).
- Calibration certificate (SANS 10154).

## TECHNICAL SPECIFICATIONS

Pure tone test frequencies | 0.125 to 16kHz\*

Minimum intensity levels | 0 dB\*

Rise/fall time | ~35 ms

Total harmonic distortion | <2%

\*Hardware set dependant

## PROTOCOL ADJUSTMENTS

- Varied test modes i.e. self-test or user-assisted test.
- Adjustable limits for randomised pre-tone waiting period: minimises tone presentation predictability.
- Adjustable minimum testing intensity.
- Adjustable response time window after presenting tone.

## KEY FEATURES

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### CLINICALLY VALID TESTS

Evidence-based solution validated in peer-reviewed journals and calibrated to ISO/SANS standards.

### COST-EFFECTIVE

Accurate testing at a fraction of the cost.

### ENVIRONMENTAL NOISE WARNING

Real-time monitoring of noise to alert the user of environmental noise concerns.

### TIME-EFFICIENT

Automated testing within minutes and pre-programmed test sequences for improved efficiency.

### EXTENDED HIGH FREQUENCY TESTING\*

Determining threshold shift in the high frequency range.

### OCCUPATIONAL HEALTH AND MONITORING

ISO compliant testing, automated PLH tracking.

### DIGITAL DATA MANAGEMENT

Patients, test and facility data consolidated instantly on a secure online database.

### LINKAGE TO CARE\*

Geo-location text message and email referral features actioned from the online database.

### EASY-TO-USE, ADJUSTABLE PROTOCOLS

Best practice pure tone audiometry protocols to varied contexts.

### CONDITIONING


Conditioning functionality to facilitate testing process.


### QUALITY CONTROL


Smart features ensure on-site quality control and reliability.


\*Available at an additional cost

+(27) (0)12 030 0268 | [info@hearxgroup.com](mailto:info@hearxgroup.com) | [www.hearXgroup.com](http://www.hearXgroup.com)

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