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tional healthcare. hearTest™ occupational health solution provides the same attenuation as a single-wall sound booth.



HEARTEST OCC HEALTH

HEARTEST COMPLIES TO INTERNATIONAL STANDARDS

- IEC 60645-1 Equipment for pure-tone audiometry (type 4 audiometer)
- ANSI S3.6 Specification for audiometers (type 4 audiometer)
- ISO 8253-1 Pure-tone air conduction audiometric test methods
- ISO 389 series Reference zero for the calibration of audiometric equipment

HEARTEST REGITRATIONS AND CERTIFICATIONS



Real-time monitoring of noise to alert users of noise concerns.



SANS 10083 SANS 10154-1 **United States of America** 29 CFR PART 1910.95 Australia and New Zealand AS/NZS 1269.4

South Africa

HEARTEST OCC HEALTH FEATURES





MOBILE SOLUTION

PROTOCOLS



Frequency Range	125 - 8000 Hz			
Testing protocol	Shortened Threshold Ascending method			
Pre-tone waiting period	Randomised between 1500 - 4000ms			
Person response window after tone	Adjustable between 1500 - 4000ms			
Optionals	Self-test / test operator mode			
Additional features	On-screen patient signature Add otoscopy images to test			



OCCUPATIONAL HEALTH PROTOCOLS 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 AND PERFORMANCE

Dimensions	26cm x 18cm x 9.5cm			
Net Weight (Contents: Smartphone, headphones, and charger)	< 1 kg			
Shipping weight (Quantity=1)	2 kg			
Power Source	Internally Powered			
Safety and Design Standards	IEC 60645-1; IEC 60601-1-2; IEC 62304			
Medical Device class	Class IIa			
Degree of Protection (electric shock)	Type B applied part			
Warm up time	None			
Protection against ingress (IP): - Smartphone - Headphones	IP 68 Not specified			
Usage Environment	Professional Healthcare Environment			
Operating Temperature Humidity Ambient pressure	15 to 35 oC 30 to 90 %RH Non-Condensing 98 to 104 kPa			
Storage temperature	-20 to 50 oC			



CE ®

TONE



Туре	Pure Tone			
Frequencies	125, 250, 500, 750, 1000, 1500, 2000, 3000, 4000, 6000, 8000 Hz			
Rise / Fall time	35 ms (-20 dBFS to -1 dBFS and vice versa)			
Intensity Range	0 - 95 dB HL (6000 Hz - 80 dB HL; 8000 Hz - 70 dB HL)			



HEADPHONE SPECIFICATIONS

		HDA 3001 [dB]		IP30 P5011	
		Circumaural		Insert (with 3M Peltor earmuff)	
	Frequency [Hz]	Passive attenuation	RETSPL	Passive attenuation	RETSPL
RETSPL: (determined using an IEC 60318-1 ear simulator)	125	12.4	26.2	34	28
	250	12.7	20.1	36	21.5
	500	9.4	8.6	42	9.5
	1000	12.8	2.7	41	5.5
	2000	15.1	0.5	39	11.5
	4000	28.8	O.1	50	15
	6000	-	20.9	50	16
	8000	26.2	23.1	44	15.5









SENHEISER HDA 300



¹Sennheiser (2013). HDA 300 - Reference of measurements. https://en-ie.sennheiser. com/global-downloads/file/4745/HDA300_References.pdf

