



## PURE TONE SCREENING AUDIOMETER

hearScreen® is an award-winning hearing screening solution on a smartphone. The user-friendly design, automated test protocols and quality control features allow minimally trained persons to conduct quick and accurate hearing screening.

hearScreen® offers a cost-effective solution to hearing screening and is clinically-validated to be used on both adult and child populations.

hearScreen®



**CLINICALLY VALID SCREENINGS**

Evidence-based with calibrated headphones.



**PASS / REFER RESULT**

Default and customisable settings based on screening frequency and intensity.



**TIME-EFFICIENT**

Hearing screening in 1 to 2 minutes.



**COST-EFFECTIVE**

Cut screening costs by >50% and do accurate screening at a fraction of traditional audiometry costs.



**ENVIRONMENTAL NOISE WARNING**

Pre-test and real-time monitoring of noise to alert the user of environmental noise concerns.



**COMPLETE SOLUTION**

Comprehensive solution for detection, referral and reporting.



**LINKAGE TO CARE**

Text message feature, downloadable reports as well as geo-location information added to test results.\*

\*Available at an additional cost.



**EASY-TO-USE, ADJUSTABLE PROTOCOLS**

Best practice audiometry protocols with flexible customisation.



**SEVERITY PROTOCOL**

Quick threshold tracking test for severity classification.



**AUTOMATED TESTING**

Test sequences are pre-programmed and automatically presented to improve accuracy and efficiency.



**DIGITAL DATA MANAGEMENT**

Patient, test and facility data consolidated instantly on a secure online database and viewed on mHealth Studio Cloud.



**QUALITY CONTROL INDEX**

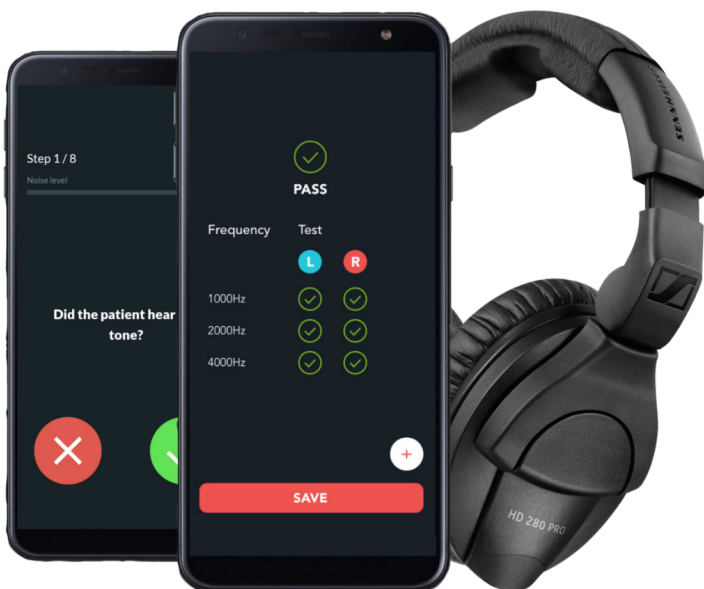
Smart features that allow off-site quality control and reliability tracking.



**SIMPLE, USER-FRIENDLY SCREENING**

Designed and developed to be operated by minimally trained people.\*

\*A 3-day training course might apply within certain territories to allow an individual to conduct hearing screening within a school environment. Consult your local regulatory body for any applicable restrictions.



Available in **English, Spanish & French**





### SCREENING SET

Samsung Galaxy J4 Core,  
Sennheiser HD 280 Pro  
headphones & carry case

## PROTOCOLS

Frequency range	500 - 8,000 Hz
Testing intensity	20 - 40 dB (Adjustable per age group adult/child)
Testing protocol	<p>Default or custom protocol setup</p> <p>Default:</p> <ul style="list-style-type: none"> <li>• Default protocol (1,000, 2,000, 4,000 Hz)</li> <li>• Default protocol with severity option (1,000, 2,000, 4,000 Hz)</li> </ul> <p>Custom:</p> <ul style="list-style-type: none"> <li>• Select up to 5 frequencies as part of a screening protocol</li> <li>• Various protocols can be set up and saved</li> </ul>
Additional settings	<ul style="list-style-type: none"> <li>• Optional severity classification via the severity protocol feature</li> <li>• On-screen test information and progress visibility</li> <li>• Severity classification up to 70 dB HL</li> </ul>

## TECHNICAL SPECIFICATIONS AND PERFORMANCE

<p>Carry case dimensions</p> <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: smartphone, headphones, and charger)	< 1 kg
Shipping weight (quantity=1)	2 kg
Usage environment	<ul style="list-style-type: none"> <li>• Hearing screening in schools, research and project environments</li> <li>• Hearing screening service in clinical practice</li> </ul>
Operating temperature Humidity Ambient pressure	<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>
Storage temperature	-20 to 50 °C

# STONE SPECIFICATIONS

Type	Pure tone
Frequencies	500, 750, 1,000, 1,500, 2,000, 3,000, 4,000, 6,000, 8,000 Hz
Rise / fall time	35 ms (-20 dBFS to -1 dBFS and vice versa)
Intensity range	20 - 40 dB HL (Including severity screening)

# HEADPHONE SPECIFICATIONS

		HD 280 Pro [dB] <small>*Referenced to 0 dB HL testing from 500 Hz and up</small>		
		Frequency [Hz]	MPANL	RETSPL
RETSPL: (determined using an IEC 60318-1 ear simulator)	125	41	37.2	
	250	30	13.5	
	500	27	6.8	
	750	-	1.8	
	1,000	31	1.4	
	1,500	-	3.7	
	2,000	44	1.9	
	3,000	-	-3.9	
	4,000	43	2.2	
	6,000	-	16	
	8,000	32	29.4	