

Measurement techniques	
TEOAE	
Evaluation method:	Noise-weighted averaging, counting of significant signal peaks
Stimulus:	Non-linear click sequence
Stimulus level:	75 dB(A) ± 5 dB in 2 cc coupler, self calibration depending on ear canal volume
Click rate:	67-76 clicks per second (randomized)
Input filter:	1 to 4 kHz
Display:	Statistical waveform, measurement progress, TEOAE detection level, noise level
DPOAE	
Evaluation method:	Noise-weighted phase statistics
Stimulus:	Primary tone pair, F2/F1 = 1.24
Available test frequencies:	F2 = 1, 1.5, 2, 3, 3.5, 4, 5 and 6 kHz
Default test frequencies:	F2 = 2, 3, 4 and 5 kHz (Pass/Clear Response at 3 out of 4)
Test level:	L1/L2 = 60/50 dB SPL or 65/55 dB SPL
Test display:	DP-Gram, DPOAE level, noise level, test progress
Result display:	Overall Pass/Clear Response or Refer/No Clear Response , DP-Gram with DPOAE and noise level.
ABR	
Evaluation method:	Noise-weighted averaging and template matching
Stimulus:	30, 35, 40 or 45 dB nHL chirp
Chirp rate:	78-82 chirps per second (randomized)
Impedance test range:	1 to 99 kΩ
Impedance accepted for test:	< 12 kΩ
Impedance control:	Before test, periodically during test, stimulus continues during impedance control
Test display:	Statistical graph, impedances, ABR detection probability, EEG-level and test progress
Result display:	Statistical graph, impedances, EEG-level and overall Pass/Clear Response or Refer/No Clear Response .
Electrodes:	Disposable hydrogel electrodes
Dimensions	
Approx.	200 x 73 x 34 mm (7.9 x 2.9 x 1.3 inches)
Weight	
Approx.	240 g (8.5 oz) excluding battery 280 g (9.9 oz) including battery
Display	
Type:	Color, TFT, touch screen with adjustable LED backlight
Dimensions:	71.5 x 53.6 mm (2.8 x 2.1 inches)
Resolution:	240 x 320 pixels
Keystroke durability	min. 1 million repetitive strokes per screen point
Keypad	
Resistive touch screen (can be used with gloves)	
Memory	
Patient memory capacity:	Max. 250 patients / Min. 500 tests
Connectors	
OAE probe connector:	14 pin ODU Medisnap - For OAE Probe or ABR ear coupler cable
ABR (ABR version only):	4 pin ODU Medisnap - For ABR electrode cable
Real time clock	
Integrated real time clock for time-stamping of measurements. The clock is automatically synchronized with PC clock when docked.	
Backup:	Min. 7 days, when battery is removed from unit
Data interfaces	
PC:	IR data transmission to docking station - USB interface from docking station to PC
Transport and storage environment	
Temperature range:	-20 - +60°C (-4 - 140°F)
Humidity range:	10 - 90 % rel., non-condensing
Air pressure	500 hPa to 1040 hPa
Operating environment	
Temperature range:	10 - 40°C (50 - 104°F)
Humidity range:	30 - 90 % rel., non-condensing
Air pressure	500 hPa to 1060 hPa
Standards	
Safety:	
	EN 60601-1:2006+A1:2013 ANSI/AAMI ES60601-1:2005 + A1:2012 Internally Powered, Type BF, IPX0 IEC 60601-2-40:2016 and EN 60601-2-40:1998
EMC:	IEC 60601-1-2:2007 and EN 60601-1-2:2007 IEC 60601-1-2:2014 and EN 60601-1-2:2015
Otoacoustic emissions:	IEC 60645-6:2009, Type 2 and EN 60645-6:2010, Type 2
Auditory evoked potentials:	IEC 60645-7:2009, Type 2 and EN 60645-7:2010, Type 2
Power supply and battery	
Battery type:	Rechargeable Li-ion 3.7 V/1800 mAh (6.7 Wh), fully charged
Estimated battery life:	8 hours of continuous use (based on a typical use scenario. Actual use can influence the battery life time.)
Battery level indicator:	5-step battery level indicator
Charge time in AccuScreen docking station:	80% charged: 4½ hours

PC interface	
Interface type:	USB 2.0, Full-speed
USB Power:	Uses <100 mA of current from the USB interface
Printer interface	
Interface type:	RS232
Connector type:	6-pol Mini Din
DC power input	
Input voltage:	5 V DC \pm 5%
Max. power consumption when AccuScreen is docked:	5 VA (5 V, 1.0 A)
Max. power consumption when AccuScreen is not docked:	0.25 VA (5 V, 50 mA)
Power adapter	
Input voltage/range:	100-240 V AC, 50-60 Hz
Output voltage:	5.0 V DC / min. 1.0A
Mains plug types:	US, UK, Europe and Australia
Probe	
Flexible, shielded cable. Approx. length: 150 cm/59 inches	
Dimensions	
Probe body:	20 mm \varnothing x 23 x 11 mm (0.8 inch \varnothing x 0.9 inch x 0.43 inch)
Probe tip:	3.3 mm \varnothing x 10 mm (0.13 inch \varnothing x 0.4 inch)
Weight	
Probe incl. probe tip:	Approx. 4.5 g
Eartips	
Standard (cylindrical):	4 sizes (3.7 - 5 mm)
Silicone tree tip:	1 size (4 - 7 mm)
Foam tip:	1 size (7 - 13 mm)
ABR electrode cable	
Flexible, shielded cable. Approx. length: 140 cm/55 inches	
ABR ear coupler cable (optional)	
Flexible, shielded cable. Approx. length: 145 cm/57 inches	
Device class	
II a (according to Council Directive 93/42/EEC Appendix IX)	
Standard accessories	
Carrying case	
Docking station, including power adapter and USB cable	
Starter kit (includes ear tips, probe tips, and probe tip cleaning tool)	
Probe (except ABR w/ear coupler cable) (Cable Approx. length: 150 cm/59 inches)	
ABR electrode cable (ABR version only) (Approx. length: 140 cm/55 inches)	
ABR ear coupler cable (ABR w/ear coupler cable version only) (Approx. length: 145 cm/57 inches)	
ABR tester (ABR version only)	
User Manual	
Battery	
Cleaning cloth	
Optional accessories	
Ear tips	
Probe tips	
Probe tip cleaning tool	
Label printer with printer cable	
Probe (Approx. length: 150 cm/59 inches)	
ABR ear coupler cable (Approx. length: 145 cm/57 inches)	
External battery charger	
EarHugs	
Ear coupler cable for EarHugs (Approx. length: 145 cm/57 inches)	
Standard accessories and optional accessories may vary from country to country - please consult your local distributor.	
Available configurations	
AccuScreen TE	
AccuScreen DP	
AccuScreen TE/DP	
AccuScreen ABR	
AccuScreen ABR/TE	
AccuScreen ABR/DP	
AccuScreen ABR/TE/DP	
TE = TEOAE, Transiently Evoked Otoacoustic Emissions	
DP = DPOAE, Distortion Product Otoacoustic Emissions	
ABR = Auditory Brainstem Response	