



The newborn hearing screening experts



Station

- Upload patient lists to the instrument
- Download patient data including test results, comments and risk factors, to the AccuLink software
- Transfer instrument settings defined in the AccuLink PC software
- Transfer firmware updates
- Charge battery
- Connect label printer
- Store instrument

Acculink software

- Patient management
- User management
- Device management
- Test management
- Comprehensive settings menu
- Interfaces: HiTrack, OZ-Systems, pathTrack, eSP (UK)
- XML export

AccuScreen

- Developed by the same people who developed the first AccuScreen
- Combined OAE/ABR device enabling two-step screening
- Quality tests
- Small and lightweight
- Angled probe for better fit
- Probe and ear couplers for ABR
- Dual-density earcoupler design for more reliable results
- User login option for data security
- Low maintenance costs

Touchscreen display

- Easy and intuitive data entry
- Easy and intuitive navigation
- Detailed test and result screens
- On-screen help menu

AccuScreen® Technical Specifications

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 - 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 <i>Pass/Clear Response</i> or <i>Refer/No Clear Response</i> , 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 - 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 <i>Pass/Clear Response</i> or <i>Refer/No Clear Response</i> .
Electrodes	Disposable hydrogel electrodes
DIMENSIONS	
Approx.	200 x 73 x 34 mm (7.9 x 2.9 x 1.3 in)
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 in)
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-1060 hPa
OPERATING ENVIRONMENT	
Temperature range	10 - 40°C (50 - 104°F)
Humidity range	30 - 90% rel., non-condensing
Air pressure	500 hPa - 1060 hPa

STANDARDS	
SAFETY	
EN 60601-1:2006+A1:2013, ANSI/AAMI ES60601-1:2005, Internally Powered, Type BF, IPX0 + A1:2012	
EMC	IEC 60601-2-40:2016 and EN 60601-2-40:1998 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: 4.5 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 ±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 in	
DIMENSIONS	
Probe body	20 mm Ø x 23 x 11 mm (0.8 in Ø x 0.9 in x 0.43 in)
Probe tip	3.3 mm Ø x 10 mm (0.13 in Ø x 0.4 in)
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 (13 mm)
ABR ELECTRODE CABLE	
Flexible, shielded cable. Approx. length: 140 cm/55 in	
ABR EAR COUPLER CABLE (OPTIONAL)	
Flexible, shielded cable. Approx. length: 145 cm/57 in	
DEVICE CLASS	
II a (according to Council Directive 93/42/EEC Appendix IX)	

STANDARD ACCESSORIES
<ul style="list-style-type: none"> 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 in) ABR electrode cable (ABR version only) (Approx. length: 140 cm/55 in) ABR ear coupler cable (ABR w/ear coupler cable version only) (Approx. length: 145 cm/57 in) ABR tester (ABR version only) User Manual Battery Cleaning cloth

OPTIONAL ACCESSORIES
<ul style="list-style-type: none"> Ear tips Probe tips Probe tip cleaning tool Label printer with printer cable Probe (Approx. length: 150 cm/59 in) ABR ear coupler cable (Approx. length: 145 cm/57 in) External battery charger EarHugs Ear coupler cable for EarHugs (Approx. length: 145 cm/57 in) <p><i>Standard accessories and optional accessories may vary from country to country - please consult your local distributor.</i></p>

AVAILABLE CONFIGURATIONS
<ul style="list-style-type: none"> AccuScreen TE AccuScreen DP AccuScreen TE/DP AccuScreen ABR AccuScreen ABR/TE AccuScreen ABR/DP AccuScreen ABR/TE/DP <p>TE = TEOAE, Transiently Evoked Otoacoustic Emissions DP = DPOAE, Distortion Product Otoacoustic Emissions ABR = Auditory Brainstem Response</p>

Healthcare solutions with one thing in mind. You.

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