

corti™

OTOACOUSTIC EMISSIONS

The **NEW** GSI Corti™ is a portable, battery-operated diagnostic and screening instrument that measures Otoacoustic Emissions (OAE) for the assessment of cochlear function in infants, children and adults. Offering the ability to rapidly screen newborns, the Corti meets world-wide recommended screening protocols and provides full diagnostic OAE testing. Maximum flexibility and speed is the Corti standard with pre-defined and user-defined protocols for Distortion Product Otoacoustic Emissions (DPOAEs) and Transient Evoked Otoacoustic Emissions (TEOAEs).



Product Features

Fast

- **Quick Testing:** Test an ear as quick as 8-16 seconds¹
- **Unique Ear Tip Tubes:** Eliminates the need to clean the probe and minimizes the negative effects of debris and wax in the ear canal

Easy

- **User Interface:** Four button operation and color coded text ensures fast testing with minimal training
- **Test Results:** Easy to interpret graphic and tabular results
- **Bluetooth Printing:** Simplifies operation and eliminates unsightly and confusing cables

Accurate

- **Background Noise:** The unique noise management technology increases test accuracy in noisy conditions reducing false referrals
- **Auto Start:** Pretest evaluation insures testing conditions are ready, improving test accuracy

Reliable

- **Long Battery Life:** 15 hours of run time, with as little as 4 hours charging time
- **Serviceability:** Designed for durability, required for portable systems used in demanding clinical environments
- **Non-Volatile Memory:** Data is protected and saves the last test results even when the battery is fully discharged

Flexible

- **Flexible Protocols:** Standard protocols can be modified to meet multiple clinical requirements
- **Powerful Database:** Easy data transfer for review and reporting, compatible with EMR, Oz and HiTrack requirements, infant name/ID download to Corti
- **Reimbursement:** DP Protocols meet current US CPT code reimbursement requirements
- **PE Tube Testing:** Patients with PE tubes can be evaluated by OAE
- **Multi-Patient Testing:** Capable of storing 250 test results

1: Assumes DPOAE screening with 2-4 second averaging

Australian Distributer:



Free Call:
1800 639 263





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Technical Specifications

Measurement Types

Screening and Diagnostic Testing

DPOAE: 1.5 to 12 kHz, 40 to 70 dB SPL

TEOAE: 0.7 to 4 kHz, 83 dB SPL

Handheld Unit

Display: Color OLED display

User Input: 4-button operation

Connecters:

- Micro-USB for charging and communication
- HDMI for probe

Communication to PC: Micro-USB

Languages: English, German, Spanish, French, Polish, Russian, Italian, Turkish, Portuguese, Chinese

Probe

Connector: HDMI

Probe design:

- Integrated microphone and receivers in probe head
- Calibration data stored on probe

Cable length: Minimum 40"

Microphone Noise: -13 dB SPL @ 1 kHz (1 Hz bandwidth)

Ear tips: Single use disposable ear tips

Cradle (Optional)

Operation: Provides PC Database communication and charging

Data

Test memory: 250 tests on unit

Patient names: 100 names or medical ID# on unit

Database: Microsoft® Access. Export to PDF, RTF, XLS, XLSX, Image files

Printer (Optional)

Type: Thermal Dot Matrix

Power: 7.4 V lithium battery or mains power, 100 -240V, 50/60 Hz

Paper width: 2.25"

Communication: Bluetooth

Print Modes: Full print out, print graph only, print data only, print Pass/Refer only

Power

Battery: 3.6 V rechargeable lithium ion

Battery Life: 15 hours on time

Charge Time: 4 hours to 100%

Accessories

Standard: Hand-held unit, Probe, Micro USB charging cable for charger and database, Database software and micro USB connector, Disposable ear tip kit and tubes, User Manual, Quick Guide, Calibration Certificate

Optional: Cradle, Printer, Carry Case, Ear Tips, Replacement Cables, Replacement Probe

General Standards

IEC/EN 60601-1 Medical electrical equipment – Part 1: General requirements for basic safety and essential performance - 3rd Edition

IEC/EN 60601-1-2 Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility

UL 60601-1 Medical Electrical Equipment, Part 1: General Requirements for Safety

CSA C22.2 # 601-1-M90 Medical Electrical Equipment, Part 1: General Requirements for Safety

IEC 60645-6 Electroacoustics - Audiometric equipment - Part 6: Instruments for the measurement of otoacoustic emissions