Simple
From setting the system to completing results in both ears – all is accomplished with 3 button presses. The four-button design ensures logical screening and diagnostic testing that may be performed with minimal training. The color display provides intuitive data interpretation. Friendly screen prompts guide the operator through each function such as selecting a protocol or transferring results to the Data Manager.

Fast
When the probe is placed securely in the ear, one button press will initiate the probe check; the in-the-ear calibration then automatically begins the OAE evaluation. Testing is completed in seconds. The unique design of the probe and the disposable tip minimizes the negative effects of debris in the ear canal. There are no extra steps to clean the probe, saving valuable time.

Accurate
Noisy testing environments are an ongoing challenge for screening and diagnostic testing. The patented Noise Artifact Rejection Algorithm smartly assesses the response in variable background noise, improving test result accuracy and saving valuable test time in noisy environments. The AutoStart check and in-the-ear calibration ensures testing is started in acceptable conditions, thus improving test accuracy.

Reliable
The 15 hour battery life with 4 hours of charge time maximizes the life of the OAE protocol or transferring results to the Corti memory for printing and data transfer, even if the battery life is depleted.

Diagnostic and Screening Configurations

<table>
<thead>
<tr>
<th>DPOAE</th>
<th>TEOAE</th>
<th>Combo DPOAE + TEOAE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screening Units</td>
<td>Screening DPOAE</td>
<td>Screening TEOAE</td>
</tr>
<tr>
<td>Frequency</td>
<td>Fixed protocol 1: 2,3,4,5 kHz</td>
<td>Fixed protocol 1: 2,3,4 kHz</td>
</tr>
<tr>
<td>Frequency</td>
<td>Fixed protocol 2: 0.7-4 kHz</td>
<td>Fixed protocol 2: 0.7-4 kHz</td>
</tr>
<tr>
<td>Averaging Time</td>
<td>0.5,1,2,4 sec</td>
<td>8,16,32, 64 sec</td>
</tr>
<tr>
<td>Intensities</td>
<td>40-70 dB SPL</td>
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Product Specifications

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<thead>
<tr>
<th>Measurement Types</th>
<th>Screening and Diagnostic Testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit (optional)</td>
<td>Probe description</td>
</tr>
<tr>
<td>0.7-4 kHz, 40-70 dB SPL</td>
<td>Measured and recorded in probe head. Data saved on probe and enters Corti memory.</td>
</tr>
<tr>
<td>1.5-4 kHz, 83 dB pe SPL</td>
<td>Measured and recorded in probe head. Data saved on probe and enters Corti memory.</td>
</tr>
<tr>
<td>2 kHz, -20 dB SPL</td>
<td>Measured and recorded in probe head. Data saved on probe and enters Corti memory.</td>
</tr>
<tr>
<td>4 kHz, -240V, 50/60 Hz</td>
<td>Measured and recorded in probe head. Data saved on probe and enters Corti memory.</td>
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| Probe | | |
|-------|-------------------|
| 2 Fixed Protocols | 2 Fixed Protocols |
| 2 Configurable Protocols | 2 Configurable Protocols |
| 4 Fixed Protocols | 4 Fixed Protocols |
| 4 Configurable Protocols | 4 Configurable Protocols |

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GSI CORTI™
OTOACOUSTIC EMISSIONS

Start Now. Start Smart.

The Corti offers six configurations of DPOAE and TEOAE that address virtually all clinical environments. The Corti is an easy-to-use, economical diagnostic tool that combines TEOAE and DPOAE testing in one easy-to-use, all-in-one device. The Corti offers six configurations of DPOAE and TEOAE that address virtually all clinical environments. The Screening Corti provides DP and TE screening protocols protocol that meet OAE requirements from infants to adults. Conveniently, the Screening Corti can also be upgraded to diagnostic capabilities. The Diagnostic DPOAE Corti provides the ability to conduct diagnostic testing with four configurable protocols, leading to extended testing up to 12 frequencies from 1.5 to 12 kHz. On screen normative DPOAE data assists in test interpretation. The Diagnostic TEOAE Corti offers two configurable protocols from 0.7 to 4 kHz, and screening protocols. Start smart and grow with the Corti.

Start Smart.

The Corti offers maximum speed and flexibility with pre-defined and user-defined screening and diagnostic configurations for Distortion Product Otoacoustic Emissions (DPOAE) or Transient Evoked Otoacoustic Emissions (TEOAE) measurements. The Corti is accurate, fast, easy-to-use, and reliable.

Optional Accessories
Enhance your Corti system with optional Corti accessories.

Corti Cradle
The Corti cradle provides the convenience of charging the Corti unit while ensuring the Corti is stored in a safe place. While in the cradle, automatic printing of stored test results is possible.

Low Cost Ear Tips
Fit all sizes of ears, from infant to geriatric, with the Corti low cost, single-use ear tips. Ear tip sizes range from 3 mm to 15 mm.

Wireless Printer
The thermal printer provides graphic and tabular reports in seconds with a single button press, without having to manage confusing and unsightly cables.

Corti Case
A convenient soft-sided carry case will transport and protect all of the Corti accessories and options in a comfortable over-the-shoulder bag. An ideal option for Corti units that travel from clinic to clinic.

Powerful Features
- Multiple Diagnostic and Screening Configurations
- Sharp, intuitive color screen display
- Reliable 15 hour battery life
- Powerful DPOAE testing with 12 frequencies, up to 12 kHz
- Full-color reporting and optional, fast thermal printouts
- OAE Probe that never requires cleaning
- Charging, acoustic printing, and data transfer via the optional Cradle
- Convenient testing for patients with PE tubes
- Optional data storage of up to 250 tests
- Import patient or infant names may be easily added to the Data Manager and quickly transferred to the Corti unit to be displayed on the Corti for testing.

Transfer Data from Corti to Data Manager
After testing or screening is completed with the Corti, data may be transferred to the Data Manager in seconds.

Corti Data Manager
This Corti Data Manager is a simple yet powerful application to manage the Corti results.

- Data transfer is conducted in seconds
- Patient names may be transferred and viewed on the Corti
- Comprehensive, intuitive, EMR-friendly reports are instantly available
- Results can be sorted by ear, testers, dates, and outcome
- Patient data may be viewed and archived
- Data may be exported to OZ eSP™
- DPOAE normative data can assist in test interpretation and reporting

Optional on screen display of DPOAE normative data

Transfer Names to Corti
Patient or infant names may be easily added to the Data Manager and quickly transferred to the Corti unit to be displayed on the Corti for testing.

Setting The Clinical Standard
Easy-to-use, intuitive, EMR-friendly reports can assist in test interpretation. The Corti is accurate, fast, economical, and meets screening and diagnostic requirements from infants to adults. Conveniently, the Corti can also be upgraded to diagnostic capabilities. The Corti is an easy-to-use, economical diagnostic tool that combines TEOAE and DPOAE testing in one easy-to-use, all-in-one device. The Corti offers six configurations of DPOAE and TEOAE that address virtually all clinical environments. The Screening Corti provides DP and TE screening protocols protocol that meet OAE requirements from infants to adults. Conveniently, the Screening Corti can also be upgraded to diagnostic capabilities. The Diagnostic DPOAE Corti provides the ability to conduct diagnostic testing with four configurable protocols, leading to extended testing up to 12 frequencies from 1.5 to 12 kHz. On screen normative DPOAE data assists in test interpretation. The Diagnostic TEOAE Corti offers two configurable protocols from 0.7 to 4 kHz, and screening protocols. Start smart and grow with the Corti.

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Solution For Any Environment
The GSI Corti™ is a portable, battery-operated diagnostic and screening instrument that measures Otoacoustic Emissions (OAE) in infants, children, and adults. The Corti offers the ability to rapidly screen newborns, meeting recommended screening protocols, and provides diagnostic OAE testing.

Start Smart.

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Optional on screen display of DPOAE normative data
Powerful Features

- Multiple Diagnostics and Screening Configurations
- Sharp, intuitive color screen display
- Reliable 15 hour battery life
- Powerful DPOAE testing with 12 frequencies, up to 12 kHz
- Full color reporting and optional, fast thermal printouts
- Diagnostic TEOAE Corti that is pre-programmed with recommended screening protocols, and provides diagnostic OAE testing.

Corti Data Manager

This Corti Data Manager is a simple yet powerful application to manage the Corti results.

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- Test results can be sorted by ear, testers, dates, and outcome
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- DPOAE normative data can assist in test interpretation and reporting
- Data may be imported into the Corti Data Manager
- DPOAE normative data can assist in test interpretation and reporting
- Data transfer is conducted in seconds
- Data may be exported to OZ eSP

Transfer Names to Corti

Patient or infant names may be easily added to the Data Manager and quickly transferred to the Corti unit to be displayed on the Corti screen for testing.

Start Now. Start Smart.

The Corti offers six configurations of DPOAE and TEOAE that address virtually all clinical environments. The Screening Corti provides DP and TE screening protocols that meet OAE requirements from infants to adults. Conveniently, the Screening Corti unit can also be upgraded to diagnostic capabilities. The Diagnostic DPOAE Corti provides the ability to conduct diagnostic testing with four configurable protocols, testing up to 12 frequencies from 1.5 to 12 kHz. On-screen normative DPOAE data assists in test interpretation. The Diagnostic TEOAE Corti provides two configurable protocols from 0.7 to 4 kHz, and screening protocols. Start smart and grow with the Corti.

Optional Accessories

Enhance your Corti system with optional Corti accessories.

Corti Cradle

The Corti cradle provides the convenience of charging the Corti unit while ensuring the Corti is stored in a safe place. While in the cradle, automatic printing of stored test results in communication between the Corti Data Manager is possible.

Low Cost Ear Tips

Fit all sizes of ears, from infant to geriatric, with the Corti low-cost, single-use ear tips. Ear tip sizes range from 3 mm to 16 mm.

Printer

The thermal printer provides graphic and tabular reports in seconds with a single button press, without having to manage connecting and unplug cables.

Corti Case

A convenient soft-sided carry case will transport and protect all of the Corti accessories and options in a comfortable over-the-shoulder bag. An ideal option for Corti units that travel from clinic to clinic.

Transfer Data from Corti to Data Manager

After testing or screening is completed with the Corti, data may be transferred to the Data Manager in seconds.

The flexible Corti Data Manager provides an intuitive display of the patient records and pertinent result details.

Export

Data may be exported to OZ eSP™ and HiTrack™. Reports may be exported into multiple formats including PDF, RTF, and image files such as BMP, GIF, PNG, TIFF, EMF, and WMF.

Printing

Full color reports with graphic and tabular data, patient history, result notes and test information are available with the click of a mouse.

Import

New patient information such as last name, first name, and ID can be imported into the data manager from a spreadsheet.

Auto Print Option

When connected to the PC, the Corti will be detected and test results automatically printed to any designated printer.

Solution For Any Environment

The GSI Corti™ is a portable, battery-operated diagnostic and screening instrument that measures Otoacoustic Emissions (OAEs) in infants, children, and adults. The Corti offers the ability to rapidly screen newborns, meeting recommended screening protocols, and provides diagnostic OAE testing.

Organ of Corti

The organ of Corti is a specialized structure located on the inner surface of the basilar membrane of the cochlea containing hair cells that transmit sound vibrations to the nerve fibers.
organ of Corti (Corti) n. A specialized structure located on the inner surface of the basilar membrane of the cochlea containing hair cells that transmit sound vibrations to the nervous fibers.

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Corti Data Manager
The Corti Data Manager is a simple yet powerful application to manage the Corti results.

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- Data may be exported to OZ dB™ and HiTrack™
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Transfer Names to Corti
Patient or infant names may be easily added to the Data Manager and quickly transferred to the Corti unit to be displayed on the Corti screen for testing.

Transfer Data from Corti to Data Manager
When testing or screening is completed with the Corti, data may be transferred to the Data Manager in seconds.

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The Corti Cradle provides the convenience of charging the Corti unit while ensuring the Corti is stored in a safe place. The cradle provides the convenience of charging the Corti unit while ensuring the Corti is stored in a safe place.

Optional Accessories
Enhance your Corti system with optional Corti accessories.

Corti Cradle
The Corti cradle provides the convenience of charging the Corti unit while ensuring the Corti is stored in a safe place. While in the cradle, automatic printing of stored test results as communication between the Corti and Data Manager is possible.

Low Cost Ear Tips
For all sizes of ears, from infant to geriatric, with the Corti low cost, single-use ear tips. Ear tip sizes range from 3 mm to 15 mm.

Wireless Printer
The thermal printer provides graphic and tabular reports in seconds with a single button press, without having to manage confounding and unsightly cables.

Corti Case
A convenient soft-sided carry case will transport and protect all of the Corti accessories and options in a comfortable case that is also lightweight. For ideal options for Corti units that travel from clinic to clinic.

Powerful Features
- Multiple Diagnostic and Screening Configurations
- Sharp, intuitive color screen display
- Reliable 15 hour battery life
- Powerful DPOAE testing with 12 frequencies, up to 12 kHz
- Full-color reporting and optional, fast thermal printouts
- OAE Probe that never requires cleaning
- Charging, automatic printing, and data transfer via the optional Cradle
- Convenient testing for patients with PE tubes
- Optional data storage of up to 250 tests
- Protected data via non-volatile memory
- Low cost, disposable ear tips
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Corti Case
A convenient soft-sided carry case will transport and protect all of the Corti accessories and options in a comfortable case that is also lightweight. For ideal options for Corti units that travel from clinic to clinic.
Flexible
The Corti provides pre-defined and user-defined protocols to address multiple environments. Patients with PE-tubes may be tested. Additionally, the Corti is capable of storing 250 test results before printing or data transfer. OAE protocols meet U.S. CPT code reimbursement criteria.

Reliable
The 15 hour battery life with 4 hours of charge time maximizes the utility of the Corti in all situations. The Corti is designed for durability, requiring portability in demanding clinical and screening environments. Non-volatile memory ensures data is held in the Corti memory for printing and data transfer, even if the battery life is depleted.

Fast
When the probe is placed securely in the ear, one button press will initiate the probe check, the in-the-ear calibration, then automatically begin the OAE evaluation. Testing is completed in seconds. The unique design of the probe and the disposable tubes minimize the negative effects of debris in the ear canal. There are no extra steps to clean the probe, saving valuable time.

Accurate
Noisy testing environments are an ongoing challenge for screening and clinical facilities. The patented Noise Artifact Rejection Algorithm smartly assesses the response in variable background noise, improving test result accuracy and saving valuable time.

Simple
From turning on the system to completing results in both ears – all is accomplished with 3 button presses. The four-button design ensures logical functionality such as selecting a protocol or transferring results to the Data Manager.
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Reliable
The 15 hour battery life with 4 hours of charging time maximizes patient testing time. The Corti is designed for durability, requiring portable systems used in demanding clinical facilities. The patented Noise Artifact Rejection Algorithm smartly assesses the response in variable noisy environments. The AutoStart check and in-the-ear calibration ensures testing is started in acceptable conditions, thus improving test accuracy.

Product Specifications

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<th>Diagnostic/Screening/Teaching TEOAE</th>
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<tbody>
<tr>
<td>Power Source</td>
<td>5.0V DC, 1.6A</td>
<td>5.0V DC, 1.6A</td>
<td>5.0V DC, 1.6A</td>
<td>5.0V DC, 1.6A</td>
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<td>Frequencies</td>
<td>2, 3, 4 kHz, -13 dB</td>
<td>1.5 to 4 kHz, -20 dB SPL @ 2 kHz (1 Hz bandwidth), -13 dB</td>
<td>1 Fixed protocol</td>
<td>2 Fixed Protocols</td>
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<tr>
<td>Intensities</td>
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<td>SNR: 4 dB</td>
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<tr>
<td>Averaging Time</td>
<td>0.5, 1, 2, 4 sec</td>
<td>0.5, 1, 2, 4 sec</td>
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<tr>
<td>Test results</td>
<td>2 Fixed Protocols</td>
<td>2 Configurable Protocols</td>
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<tr>
<td>Data transfer</td>
<td>250 tests on unit</td>
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<td>1 Fixed protocol</td>
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<td>Battery Life</td>
<td>4 hours to 100%</td>
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<td>Freqs for Pass</td>
<td>0-6</td>
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<td>3 out of 4 frequencies</td>
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<td>SNR</td>
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<tr>
<td>Intensity</td>
<td>83 dB</td>
<td>83 dB</td>
<td>SNR: 3-10 dB</td>
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<td>Frequency</td>
<td>1.5-4 kHz</td>
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Diagnostic and Screening Configurations

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<th>TEOAE</th>
<th>Combo DPOAE + TEOAE</th>
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