



# GSI CORTI™

## OTOACOUSTIC EMISSIONS

### Diagnostic and Screening Configurations

	DPOAE	TEOAE	Combo DPOAE + TEOAE	
Screening Units	<b>Screening DPOAE</b> 2 Fixed protocols Frequencies: 2,3,4,5 kHz Intensity: 65/55 dB SNR: 6 dB Pass: 3 out of 4 frequencies	<b>Screening TEOAE</b> 2 Fixed Protocols Frequencies: 1.5-4 kHz Intensity: 83 dB pe SPL SNR: 4 dB Pass: 3 out of 6 frequencies	<b>Screening DPOAE</b> 2 Fixed protocols Frequencies: 2,3,4,5 kHz Intensity: 65/55 dB SNR: 6 dB Pass: 3 out of 4 frequencies	<b>Screening TEOAE</b> 2 Fixed Protocols Frequencies: 1.5-4 kHz Intensity: 83 dB pe SPL SNR: 4 dB Pass: 3 out of 6 frequencies
	Diagnostic Units	<b>Diagnostic DPOAE</b> 4 Configurable Protocols Frequencies: 1.5-12 kHz Intensities: 40-70 dB SPL SNR: 3-10 dB Averaging Time: 0.5,1,2,4 sec Frequencies for Pass: 0-6	<b>Diagnostic TEOAE</b> 2 Configurable Protocols Frequencies: 0.7-4 kHz Intensity: 83 dB pe SPL SNR: 3-10 dB Averaging Time: 8, 16, 32, 64 sec Frequencies for Pass: 0-6	<b>Diagnostic DPOAE</b> 4 Configurable Protocols Frequencies: 1.5-12 kHz Intensities: 40-70 dB SPL SNR: 3-10 dB Averaging Time: 0.5,1,2,4 sec Frequencies for Pass: 0-6
		<b>Screening DPOAE</b> 1 Fixed protocol Frequencies: 2,3,4,5 kHz Intensity: 65/55 dB SNR: 6 dB Pass: 3 out of 4 frequencies	<b>Screening TEOAE</b> 1 Fixed Protocol Frequencies: 1.5-4 kHz Intensity: 83 dB pe SPL SNR: 4 dB Pass: 3 out of 6 frequencies	<b>Screening DPOAE</b> 1 Fixed protocol Frequencies: 2,3,4,5 kHz Intensity: 65/55 dB SNR: 6 dB Pass: 3 out of 4 frequencies

### Product 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 pe SPL

#### Handheld Unit

**Display:** Color OLED display

**User Input:** 4-button operation

##### Connectors:

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

**Weight:** 6.4 oz. (180 gm)

**Communication to PC:** Micro-USB

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

**Power Supply:** 5.0V DC, 1.6A

#### Probe

**Connector:** HDMI

##### Probe description:

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

**Cable length:** 40 in. (101.6 cm)

**Weight:** 1.0 oz. (28 gm)

**Microphone Noise:** -20 dB SPL @ 2 kHz (1 Hz bandwidth), -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:** Patient names on unit (optional)

**Database software:** Report output to PDF, RTF, Image files

#### Printer (Optional)

**Type:** Thermal Dot Matrix

**Power:** 7.4 V lithium ion battery 100-240V, 50/60 Hz

**Paper width:** 2.25 in. (57 mm)

**Communication:** Bluetooth

#### 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, 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, and Probe Tubes

#### 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