



## Automated Diagnostic Hearing Evaluations

**Accurate, efficient, affordable diagnostic audiometry with complete portability.**

Portable with a compact footprint, the Otoqram G5500 offers the ability to perform full diagnostic audiometric testing in multiple environments. Telehealth enabled, the G5500 is suitable for use in a single office, satellite practices, corporate contract locations or in the community.

The Otoqram™ is a patented, automated diagnostic audiometer that utilizes sophisticated algorithms to perform a battery of audiometric tests. Tests can be administered by a trained technician with clinical oversight, making the Otoqram a cost-effective tool for increasing productivity without compromising efficacy. Full configurability allows specific protocols to be performed in either a manual or automated mode.

### Automated Diagnostic Testing and Monitoring

- Programmable diagnostic test battery
- Screening and monitoring protocols
- Administered by technicians with clinical oversight

### Screening Questionnaires

- Hearing Loss
- Balance
- Optional Customized Screening Protocols (Tinnitus, Traumatic Brain Injury)

### Information Management

- Track and compare results
- Centralized database
- EMR compatible

### Telemedicine Enabled

- Remote testing
- Remote hearing aid fitting and follow-up



### CONFIGURABLE TEST BATTERY

- Air Conduction
- Bone Conduction
- Speech Reception Threshold
- Speech Discrimination
- Tympanogram
- DP Otoacoustic Emission
- Acoustic Reflex
- Stenger

**TECHNICAL SPECIFICATIONS** G5500 Model

**Tympanometry** Probe tone: 226 Hz +/- 2% at 85 dB  
Total harmonic distortion: <5%  
Total range: 0.2 cm<sup>3</sup> to 6.0 cm<sup>3</sup>

**Acoustic Reflex** Reflex stimuli: Pure tone  
Ipsilateral and contralateral stimulation  
PT freq: 500 Hz, 1000 Hz, 2000 Hz, 4000 Hz  
Freq accuracy: +/- 3%  
Total harmonic distortion: < 3%  
Level: 500 Hz-4000 Hz; 80 dB HL to 105 dB HL  
Air pressure sweep: Forward or backward

**DP Otoacoustic Emissions** 45-70 dB SL stimulus level  
2 stimulus channels  
1000, 1500, 2000, 3000, 4000, 5000, 6000, 8000 Hz

**Audiometry** Channels: 2  
Channel Input: Tone, external, narrow band noise, speech noise  
Channel Output: Insert phones Left/Right, headset phone Left/Right, bone  
Frequency Range: 125 Hz to 8000 Hz

**Testing & Instruction Languages** American English, British English, Australian English, Spanish, Russian, Portuguese, Italian, Korean, Vietnamese, Arabic, Cantonese, Simple Mandarin Chinese, Traditional Mandarin Chinese

**Dimensions** Closed: 13.5"W x 11"D x 4"H (34cm W x 28cm D x 10cm H)  
Open: 13.5"W x 11"D x 13"H (34cm W x 28cm D x 33cm H)

**Weight** 16.5 lbs (7.5 kg) net, Otogram and Vest only  
23.0 lbs (10.5 kg) shipping

**Power** Line voltage: 100-240 V AC (+/-10%)  
Frequency range: 50 – 60 Hz (+/-5%)  
1.4 amps at 100 V or 0.7 amps at 240 V  
Power consumption: 150 watts maximum

**Environment** Operating: 60° F to 105° F (15° C to 40° C)  
Storage: -4°F to 140°F (-20°C to 60°C)  
Humidity: Max 90% (no condensation)

**Calibration & Standards** ANSI S3.39 – 1987 (Type 3)  
EN60601-1:2006 Medical Electrical Equipment Requirements for Safety  
EN60601-1-2:2007 EMC emission and immunity

**Operating System** Windows 7 64-bit



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