

# GSI 70<sup>TM</sup> Automated OAE Screener

## PRODUCT SPECIFICATIONS

### GENERAL SPECIFICATIONS

W x D x H: 29 cm x 25 cm x 11 cm  
Weight: 0.68 Kg (screener), 1.76 Kg (printer)  
Test Types: Distortion Product Otoacoustic Emissions  
Protocols: Screening, User-defined  
Interface: RS232, IrDa port  
Printout: Internal

### ENVIRONMENTAL

Temperature:  
Storage: -20°C to 40°C  
Operating: 15°C to 35°C  
Humidity: 10% to 90% (non-condensing)

### SINGLE-PATIENT UNIT

Test Protocol: 4k, 3k and 2k Hz at 65/55 dB SPL  
(Note: if the result is Noise or if the DP response is below the Pass line at any frequency, the test frequency is shifted slightly and then automatically re-tested)

Automatic Scoring: Pass, Refer, Noise, or Abort, based upon GSI Clinical Study results

Screener Internal Memory: One each, right and left ear

GSI 70 Single-Patient System consists of:  
Screener with Probe/Pod Assembly and Rechargeable NiCad Battery  
Printer/Charger with Power Cord  
Quick Check Cavity  
Thermal Printer Paper, 1 roll  
Adhesive Printer Paper, 1 roll  
Eartip Starter Kit (12 sizes, 3.5 to 14 mm; 4 each)  
Probe Tip Cleaning Kit  
User Manual  
Abbreviated Instruction Sheet  
Instructional Booklet  
Instructional Video

### MULTI-PATIENT UNIT

Test Protocol: 4k, 3k and 2k Hz at 65/55 dB SPL (with ability to shift frequency slightly, if required) or user definable via Data Management Software (6 DP points max; over frequency range of 1.5k to 6.0k Hz; multiple protocols can be developed)

Automatic Scoring: Pass, Refer, Noise, or Abort, based upon GSI Clinical Study results if using GSI default protocol or configured to match user-developed protocol(s)

Screener Internal Memory: 150 names or ID numbers; 350 test results (9 tests per patient)

GSI 70 Multi-Patient System consists of:  
Screener with Probe/Pod Assembly  
Rechargeable NiCad Battery  
Touch Screen and Stylus  
GSI 70 Data-Management Software\*  
Serial Interface Cable  
Printer/Charger with Power Cord  
Quick Check Cavity  
Thermal Printer Paper, 1 roll

Adhesive Printer Paper, 1 roll  
Eartip Starter Kit (12 sizes, 3.5 to 14 mm; 4 each)  
Probe Tip Cleaning Kit  
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\*CPU requirements: Pentium processor, 16 MB RAM, 500 MB Hard Drive, RS232 or IrDa port, VGA display, Windows® 95 or 98. Computer not included with Multi-Patient System.

### STIMULUS TONES

Frequency: 1188 to 6000 Hz  
Level: 45 to 70 dB SPL  
Test Time: 10 sec per ear depending on protocol

### OPTIONAL ACCESSORIES

Single and Multi-Patient Thermal Printer Paper	1700-9627
Adhesive Printer Paper	1700-9657
Mobile Stand	1770-9675
Foot Switch	1770-9676
Carrying Case (System)	1770-9689
Eartip Kits (Bulk Qty)	Contact GSI

### LANGUAGE KITS

GSI 70 Single-Patient System	
English	1770-9657E
French	1770-9657F
German	1770-9657G
Spanish	1770-9657S
Italian	1770-9657I
Chinese	1770-9657C
Japanese	1770-9657J
GSI 70 Multi-Patient System	
English	1770-9656E
French	1770-9656F
German	1770-9656G
Spanish	1770-9656S
Italian	1770-9656I
Chinese	1770-9656C
Japanese	1770-9656J

### QUALITY SYSTEM

Manufactured, designed, developed and marketed by VIASYS Healthcare Inc. NeuroCare Group under ISO 13485, ISO 9001 certified quality system.

### COMPLIANCE / REGULATORY STANDARDS

Designed, tested and manufactured to meet the following domestic (USA), Canadian, European and International Standards:

**UL 2601-1** American Standards for Medical Electrical Equipment.

**IEC 601-1, EN 60601-1** International Standards for Medical Electrical Equipment.

**CSA C22.2 # 601-1-M90**

**Medical Device Directive** (MDD) (ID No.: 0344) to comply with "EC Directive" 93/42/EEC

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GRASON-STADLER

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