

Pure Tone Manual Audiometry

GSI 17 AUDIOMETER

The Affordable Audiometric Screener



Ideal for schools, industry
and physicians' offices

Full frequency and intensity range

Includes steady, pulsed and
frequency modulation (FM) modes

Compact and lightweight design
for easy portability

Ergonomic design for ease-of-use

GSI
Grason-Stadler, Inc.

The Affordable, Easy-To-Use Screening Solution.

The GSI 17 is truly a universal audiometer. It is designed for use in virtually every hearing screening situation – from schools and industrial settings to physicians' offices, clinics, and managed care institutions. Full frequency and intensity ranges allow you to perform hearing thresholds or screening tests on all of your patients, students or employees. The GSI 17 helps detect hearing loss caused by a number of conditions, including the following:

- Otitis media
- Noise-induced hearing factors
- Ototoxic drugs
- Presbycusis

What's more, the GSI 17's ergonomic design makes performing tests easier than ever before. Front panel controls are clearly labeled and HL levels are displayed in large numbers on the GSI 17's LCD Screen.

In short, the GSI 17 is everything you need to save valuable time while offering reliable audiological testing – and all at an affordable price!



The GSI 17's lightweight, portable design lets you easily change test sites in busy school, managed care or industrial settings.

Audiometric Screening Flexibility.

The GSI 17 offers you a variety of signal formats: **Steady, Pulsed or Frequency Modulated (FM)**. This provides the flexibility to perform the most effective test for different subject groups – and ensure fast, accurate results. For example, FM (Warble) tones are generally perceived better than pulsed or steady tones among young patients – making the GSI 17 ideal for school screening applications.



Broad Frequency And Intensity Ranges.

The GSI 17's comprehensive frequency and intensity ranges allow you to perform thorough audiometric screenings.

- **Frequency range:** 125 to 8000 Hz.
- **Intensity range:** -10 to 90 dB HL in 5 dB steps.
- A +10 dB push-button allows you to increase maximum output at each frequency by 10 dB, preventing accidental presentation of uncomfortable tone levels.



Ideal for school screening.

Durable, Ergonomic Design.

The GSI 17 is a completely self-contained audiometer – giving you audiometric screening capabilities in one easy-to-use, compact unit.

CONVENIENT

- Controls are labeled with internationally understood symbols.
- Test frequencies are conveniently displayed on the frequency dial.
- HL levels are clearly indicated in large numbers on the GSI 17's LCD screen.
- A green LED indicates when a tone is being presented.

RUGGED

- Very lightweight construction. The entire system weighs less than 5.6 pounds (2.53 kg) and has a built-in handle for easy transportation to remote testing sites.
- A sturdy carrying case protects all vital components and accessories for storage or transportation.

VERSATILE

- Carrying case's cover can also serve as a screen between the operator and the test subject to ensure test accuracy. Cover can be removed for more permanent installations, such as physician's offices or clinics.



Power Adapter

Instruction Manual

All You Could Ask For In An Audiometer.

The GSI 17 comes complete with everything you'll need to perform audiometric screenings with maximum efficiency.



Accessories provided with the GSI 17 include:

- Industry-standard TDH-39 earphones for reliable tone presentation.
- A helpful reference guide on how to perform threshold audiometry.
- Pad of 50 audiogram forms for permanent record of test results.
- Instruction Manual.

Grason-Stadler also offers several other optional accessories for additional convenience:

- Subject response switch to help operator remain focused on responses for more reliable test results.
- Earphone sound enclosures to eliminate 10 dB or more of ambient sound – allowing you to accurately perform tests in noisier areas.
- Battery pack assembly with rechargeable NiCad battery provides automatic shut-off and low battery indication – preventing down-time caused by recharging or dead batteries.
- Patch cord allows testing in sound-proof booths to provide optimal test conditions in sites where booths are available.

Made With Your Needs In Mind.

The GSI 17's easy-to-use design makes it perfect for any application where fast, accurate audiometry is needed:

SCHOOLS

The GSI 17 is designed to help you perform multiple screenings faster and easier than ever before. And it's affordably priced to meet budget restrictions.

DOCTOR'S OFFICE

Complete portability makes it easy to move the GSI 17 between examination rooms. Its outstanding durability promises accurate performance for years to come.

INDUSTRY

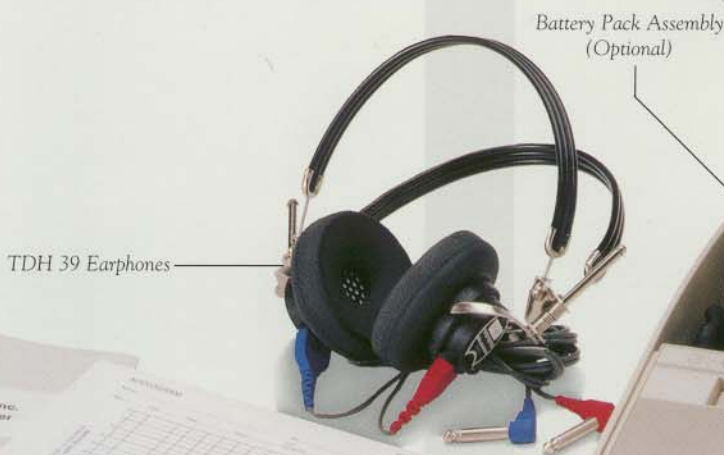
The GSI 17 meets the pertinent OSHA requirement (Reg. 1910.95/h2) for audiometers.

Get On Board With The Most Cost-Effective Audiometer Available!

By combining a broad range of audiological testing capabilities and complete portability and convenience, the GSI 17 is the perfect instrument to meet all of your audiological screening needs. And at a very affordable price, there's never been an audiological screener that has done so much for so little.

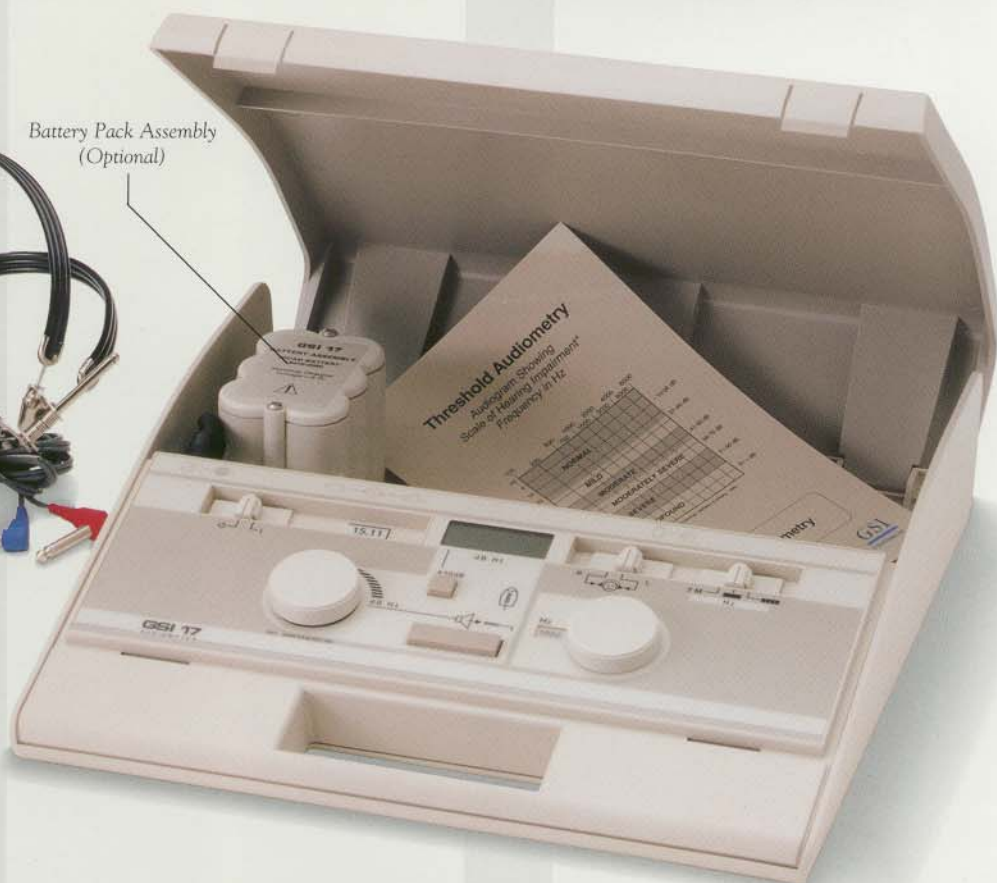


Superior Technology
Designed For
Superior Audiology.



TDH 39 Earphones

Battery Pack Assembly (Optional)



Audiogram Forms

Stadler, Inc.
Audiometer
Manual



SPECIFICATIONS

STANDARDS

The GSI 17 meets ANSI S3.6 and IEC 645 Type 4 Audiometer Standards, and IEC 601-1, CSA C22.2 No. 601-1, and UL 544 electrical standards.
PTB Certificate No. 15.11-93/24 Pure Tone Audiometer (Type 4)

CE 0050

Note: The "CE" mark on this product indicates that it conforms with the 93/42/EEC Medical Device Directive.

AUDIOMETRY MODE

Discrete Frequencies:

125, 250, 500, 750, 1000, 1500, 2000, 3000, 4000, 6000, 8000 Hz.

Accuracy: $\pm 3\%$

Total Harmonic Distortion: $< 2\%$

Rise/Fall Time: 20-50 msec

Intensity

(measured in 5 dB steps)

Ranges: 125 Hz -10 to 50 dB HL
500 to 6000 Hz -10 to 90 dB HL
250 and 8000 Hz -10 to 70 dB HL

Note: A +10 dB switch extends maximum HL at all frequencies by 10 dB.

Accuracy: 125 to 4000 Hz ± 3 dB
6000 and 8000 Hz ± 5 dB

Signal-to-Noise Ratio: 70 dB

Tone Presentation

Continuous: Steady when present bar is depressed
Pulsed: 2.5/sec (i.e., 200 msec on, 200 msec off)
FM: (frequency modulated) $\pm 5\%$ of center frequency at a rate of 5 Hz.

POWER CONSUMPTION

Line Operated: 9 watts

Battery Operated: Rechargeable (NiCad) or
Non-rechargeable (Alkaline)

ENVIRONMENTAL

Temperature: Operating 15° to 40° C
Storage -40° to 60° C (power line)
-40° to 40° C (battery)

Humidity: 5% to 90%

MECHANICAL

Dimensions: 13.25" W X 14" D X 3.75" H
(33.66 cm W X 35.56 cm D X 9.53 cm H)
Weight: 5.6 lbs. (2.53 kg) net
8 lbs. (3.64 kg) shipping
10 lbs. (4.55 kg) shipping with battery included

SUPPLIED ACCESSORIES

TDH-39 Earphones
Audiogram Forms (1 pad of 50)
Instruction Manual
Threshold Audiometry - Quick Reference Guide

OPTIONAL ACCESSORIES

4204-0505 Patch Cord (1)
7874-0156 Subject Response Handswitch
8000-0155 Earphone Sound Enclosures
1717-2010 Battery Pack Assembly



CATALOG LISTINGS

1717-9700 GSI 17 Audiometer, AC Power (USA)
1717-9710 GSI 17 Audiometer,
AC Power and Battery (USA)
1717-9705-XX GSI 17 Audiometer,
AC Power (Outside USA)
1717-9715-XX GSI 17 Audiometer,
AC Power and Battery (Outside USA)

Note: For proper voltage and plug configuration,
please identify country of destination.

GSI Quality. Guaranteed.

For nearly 50 years, GSI has designed and manufactured state-of-the-art instruments recognized for their outstanding quality and performance. You'll see this quality the first time you try the GSI 17. Best of all, you'll see how easy performing audiometric screening can be and how much time you can save by Getting On Board with GSI! Arrange for a free demonstration today by calling Grason-Stadler at 1-800-700-2282, ext. 344.

GSI
Grason-Stadler, Inc.

1 Westchester Drive
Milford, NH 03055-3056 U.S.A.
Telephone: 603-672-0470
Fax: 603-672-0487

Note: All specifications are subject to change without notice.

Part No. 1717-0150-Rev. 2