



# TRAVELING SCREENING AUDIOMETER



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GSI 18

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# THE AUDIOMETER THAT TRAVELS WITH YOU

## FLEXIBLE AND EFFICIENT

The GSI 18™ provides three stimulus modifications and two transducer options to **accommodate all screening environments**. In a school screening environment, it's easier for the operator to test a distracted child with a more interesting signal. In an industrial screening environment, the operator can present a signal that allows the patient to distinguish the signal from "ringing" in the ear.





## 3 KEY BENEFITS



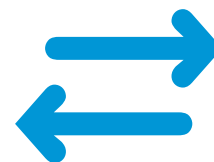
### **MULTIPLE ROUTES TO RESULTS**

The GSI 18 is a logical choice for every screening environment. Full frequency and intensity range allows for simple screening or more advanced air conduction threshold evaluations. The patient response button, stimulus modifications, and choice of two transducers make it ideal for varied patient populations.



### **PORTABILITY PROVIDES OPTIONS**

Take advantage of the portable features of the GSI 18. At 2.5 pounds, this screening audiometer is perfect for traveling from site to site. Select from AC or battery operation. With five AA batteries, 10 hours of testing can be performed.



### **SWITCH FREELY**

The GSI 18 holds calibration for two air conduction transducers. Easily change between supra-aural and insert headphones as the test environment changes.

# KEY FEATURES



## FAMILIAR INTERFACE

Minimal training is required to perform screening evaluations due to the operational consistency and GSI legacy of simple operation.



## STIMULUS MODIFICATIONS

Steady, pulsed, and FM pure tone options accommodate all screening environments.



## PATIENT COMFORT

The GSI 18 offers an optional patient response button for threshold testing.



## FLEXIBLE OPERATION

The GSI 18 holds calibration for two transducers: the DD45 supra-aural headphones and the EAR 3A insert phones. Switch transducers with a single button press to accommodate screening needs.



## FREQUENCY AND DECIBEL RANGE

Provides the ability to conduct complete air conduction evaluation for all levels of hearing loss. Obtain thresholds from 125 to 8,000 Hz and 0 to 100 dB HL.



## LIGHTWEIGHT AND PORTABLE

Everything the user needs for portable testing. A carrying case is included for easy transport between testing sites.



# ■ WHAT YOU SHOULD EXPECT FROM OUR DEVICES

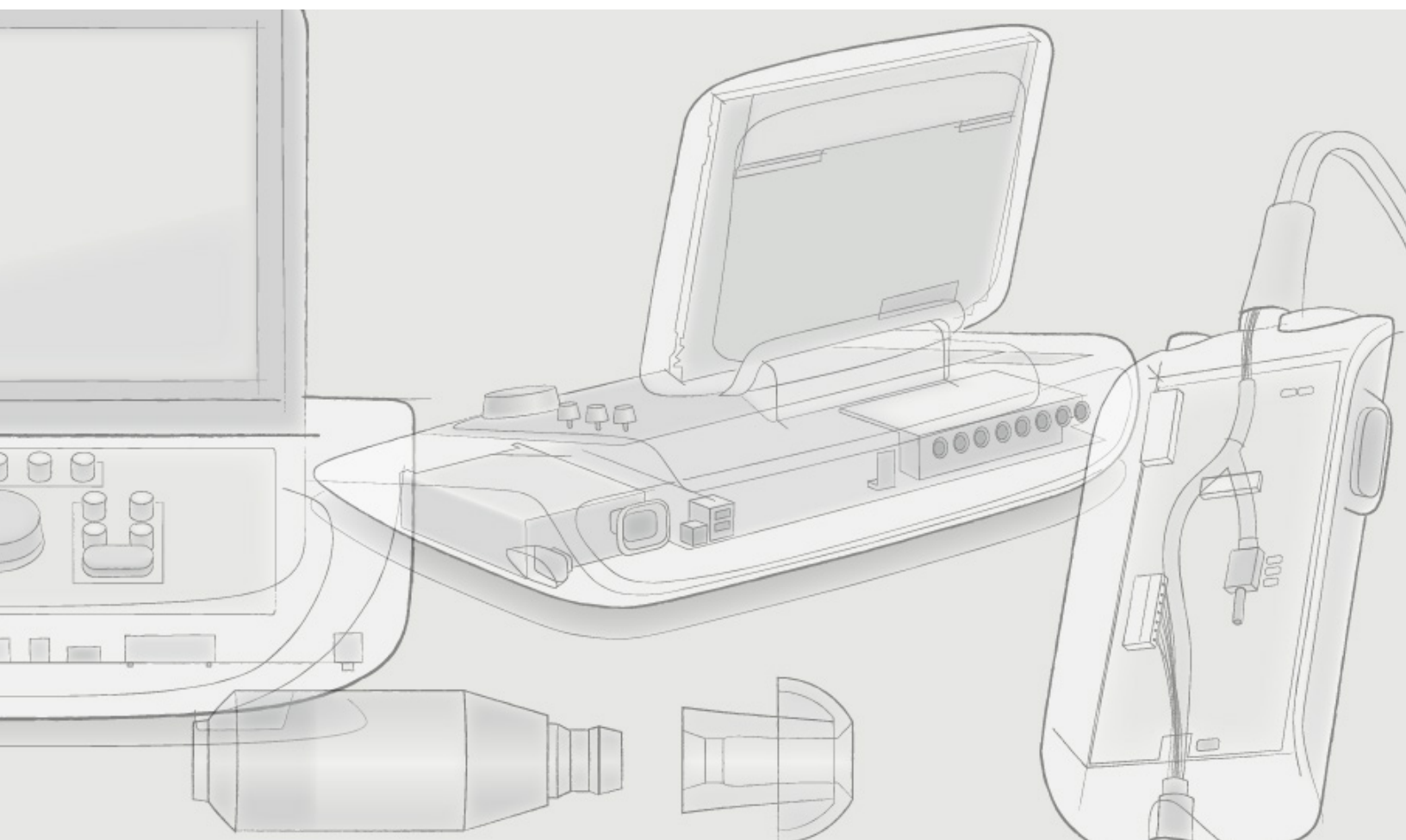
## WORLD LEADER IN AUDIOMETRIC SOLUTIONS

GSI is a world leader in audiometric assessment instrumentation and carries a full line of audiometers, tympanometers, otoacoustic emissions (OAE), and auditory evoked potential instruments. From research facilities to school screenings, GSI instruments have been the equipment of choice for audiological assessments throughout the world for over 75 years.

## DESIGNED SMART, BUILT STRONG

Our motto is Designed Smart, Built Strong. GSI devices are Designed Smart with the audiologist in mind, providing superior ergonomic design and navigation with one button, one function accessibility. Built Strong, our devices can take on the most routine to complex testing scenarios in any environment.

**Quality, Reliable, and User-Friendly** are the three core attributes that are the backbone of the GSI brand. These attributes are what you should expect from any GSI product.



# ■ GSI 18

## TECHNICAL SPECIFICATIONS

### DIMENSIONS AND WEIGHT

**W x D x H:** 12.6 in x 8.8 in x 3.2 in  
(32 cm x 22.4 cm x 8.1 cm)

**Weight:** 2.5 lb (1.1 kg)

**Shipping W x D x H:** 16 in x 16 in x 8 in  
(40.6 cm x 40.6 cm x 20.3 cm)

**Shipping Weight:** 7.5 lb (3.4 kg)

### FREQUENCIES

**Range:** 125, 250, 500, 750, 1000, 1500, 2000, 3000, 4000, 6000, and 8000 Hz

**Accuracy:** +/- 2%

**Total Harmonic Distortion:** < 2.5%

**Rise/Fall Time:** 20 to 50 msec

**Signal Format:** Continuous, pulsed (2.5 per sec), FM  
(+/- 5%, 5 Hz)

### INTENSITIES

DD 45	125 Hz	-10 - 60 dB HL
	500 - 4000 Hz	-10 - 100 dB HL
	6000 Hz	-10 - 95 dB HL
	250 and 8000 Hz	-10 - 80 dB HL

### EAR 3A (optional)

125 Hz	-10 - 50 dB HL
500 - 4000 Hz	-10 - 90 dB HL
6000 Hz	-10 - 80 dB HL
250 and 8000 Hz	-10 - 70 dB HL

**Step Size** 5 dB

<b>Accuracy</b>	125 to 4000 Hz	+/- 3 dB
	6000 and 8000 Hz	+/- 5 dB

### STANDARD ACCESSORIES

DD 45 headset (10 ohm)

Carrying case

Audiogram pad (1 pad of 50)

Instruction manual

Quick reference guide - threshold audiometry

External power supply with multiple adaptors

### OPTIONAL ACCESSORIES

EAR 3A insert phones (10 ohms)

Subject response handswitch

Patch cord (1)

Audio cups

### ENVIRONMENTAL

**Operating Temperature:**

59° F (15° C) to 104° F (40° C)

**Operating Humidity:** 15% to 95%

**Operating Ambient Pressure:** 98 to 104 kPa

**Storage Temperature:**

-93° F (-69° C) to 149° F (65° C)

### POWER

**Power Consumption:** 1.5 Watts

**Voltage:** 100 - 240 VAC, 1.0 A max

**Frequency:** 50/60 Hz

**Batteries, 5 each (optional):** Alkaline AA 1.5V or  
Rechargeable NiCad or NiMH AA 1.2V

### QUALITY SYSTEM

Manufactured, designed, developed and marketed under ISO 13485 certified quality systems.

### COMPLIANCE

- ANSI S3.6 Audiometer (type 4)
- IEC 60645-1 Audiometer (type 4)
- IEC/EN 60601-1 Medical Electrical Equipment Requirements for Safety
- IEC/EN/60601-1-2 Medical Electrical Equipment Requirements for Electromagnetic compatibility
- CSA C22.2 No.601-1-M90
- Medical Device Directive 93/42/EEC