gsi
Grason-Stadler

TRAVELING SCREENING AUDIOMETER

GSI 18

THE AUDIOMETER

THAT TRAVELS WITH YOU

GSI 18
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.


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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 transuders: 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 8000 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.

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.

TRAVELING SCREENING AUDIOMETER

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	
Accuracy	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

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