



## Audiometry

# GSI 18

## *Screening audiometer*

- 11 frequencies: 125 Hz to 8000 Hz
- Wide intensity range
- Compact, light-weight design
- AC line power and/or battery
- Calibration storage for standard earphones and optional insert phones
- Ideal for schools, industry and physician's office for screening audiometry

## Technical Specifications

### Standards:

ANSI S3.6 Audiometer (type 4)  
IEC 60645-1 Audiometer (type 4)  
UL and IEC 60601-1 Electrical Safety  
IEC 60601-1-2 EMC  
CAN/CSA C22.2 No. 601-1 - M90 (2003)  
Medical Device Directive 93/42/EEC



### 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:

TDH-39	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
EAR 3A/5A (optional)	125 Hz	-10 to 40 dB HL
	500 to 4000 Hz	-10 to 80 dB HL
	6000 Hz	-10 to 70 dB HL
	250 and 8000 Hz	-10 to 60 dB HL

Note: The +10 dB button extends the intensity range at all frequencies per transducer by 10 dB.

Step size: 5 dB

Accuracy:	125 to 4000 Hz	+/- 3 dB
	6000 and 8000 Hz	+/- 5 dB

### Standard Accessories:

TDH-39 headset (60 ohm)  
Carrying Case  
Audiogram Pad (1 pad of 50)  
Instruction Manual  
Quick Reference Guide - Threshold Audiometry  
External power module and power cord (for 1718-9700 and 1718-9701 only)  
5 AA alkaline batteries (for 1718-9705 and 1718-9706 only)

### Optional Accessories:

EAR 3A insert phones (50 ohms)	1700-0441
EAR 5A insert phones (50 ohms)	1700-0882
Subject response handswitch	7874-0156
Patch cord (1)	4204-0505
Audio Cups	8000-0155



### Ordering Information:

#### USA

GSI 18 Screening Audiometer (AC power)	1718-9700
GSI 18 Screening Audiometer (Battery power)	1718-9705

#### International

GSI 18 Screening Audiometer (AC power)	1718-9701
GSI 18 Screening Audiometer (Battery power)	1718-9706

Note: Contact your local GSI Distributor for your country kit part number.

### Dimensions and weight:

GSI 18 product:	12.6" (w) x 8.8" (d) x 3.2" (h); 2.5 lbs 32 cm (w) x 22.3 cm (d) x 8.1 cm (h); 1.2 kg
Shipping:	16" (w) x 16" (d) x 8" (h); 7.5 lbs 40.6 cm (w) x 40.6 cm (d) x 20.3 cm (h); 3.4 kg

### Environmental:

Operating Temperature: +15° to 40° C (59° to 104° F)  
Operating Humidity: 15% to 95%  
Operating Ambient Pressure: 98 kPa to 104 kPa  
Storage Temperature: -34° to + 65° C (-93° F to 149° F)

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