

# Specifications

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## Standards

The AM 232 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.

## Frequency Range

Discrete Frequencies:

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

Accuracy:  $\pm 3\%$

Total Harmonic Distortion:  $< 2\%$

## Intensity

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

(increments of 5 dB steps)

### **NOTE**

*A "+10" dB switch extends maximum at all frequencies by 10 dB.*

Accuracy:

125 to 4000 Hz,  $\pm 3$  dB

6000 to 8000 Hz,  $\pm 5$  dB

Signal to Noise Ratio:  $> 70$  dB

## Tone Type

Rise/Fall Time: 20 to 50 msec

Continuous: Steady when present bar depressed

Pulse: 2.5 pulse/Sec

FM: 5 Hz,  $\pm 5\%$

## Headset

Telephonics TDH39 Earphones with MX41AR Cushions  
(60 ohm impedance)

## Power

Line Voltage: 100 to 120 V or 200 to 250 V ( $\pm 10\%$ )

Range: 50 to 60 Hz ( $\pm 5\%$ )

Consumption: 9 Watts

## Battery

Types: Rechargeable (NiCad) or Non-Rechargeable (Alkaline)

Range: 7.0 V to 9.0 V

Capacity:

NiCad—22 hours continuous operations

Alkaline—45 hours continuous operations

## Environmental

Temperature:

Operating, 60° F to 105° F (15° C to 40° C)

Storage, Powerline –40° F to 140° F (–40° C to 60° C)

Storage, Battery –40° F to 105° F (–40° C to 40° C)

Humidity: 5% to 90%

Warm-up Time: 10 minutes for instruments stored at room temperature

## Mechanical

Dimensions: 13.25" W x 14" D x 3.75" H  
(33.66 cm x 35.56 cm x 9.53 cm)

Weight: 5.6 lb (2.53 kg) net  
8 lb (3.64 kg) shipping  
10 lb (4.55 kg) shipping with battery included

## Accessories

### Catalog Numbers

### Catalog Listings

- |              |   |
|--------------|---|
| <b>23200</b> | AM 232 Manual Audiometer, AC Power (USA)  |
| <b>23205</b> | AM 232 Manual Audiometer, AC Power ( <b>Export</b> , specify country and voltage)             |
| <b>23210</b> | AM 232 Manual Audiometer, AC Power and Battery (USA)  |
| <b>23215</b> | AM 232 Manual Audiometer, AC Power and Battery ( <b>Export</b> , specify country and voltage) |

### Supplied Accessories

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|---------------|-------------------------------|
| <b>23223</b>  | Test Headset (TDH39)          |
| <b>52300</b>  | Audiogram Forms (1 pad of 50) |
| <b>232001</b> | Instruction Manual            |

### Optional Accessories

- |              |   |
|--------------|---|
| <b>23220</b> | Response Handswitch   |
| <b>23221</b> | Patch Cord, 2 Conductor   |
| <b>23222</b> | Audiocups   |
| <b>72320</b> | Replacement NiCad Battery Only  |
| <b>72329</b> | Battery Pack Assembly<br>Includes NiCad batteries. May also be used with six (6),<br>Size C Alkaline batteries (not included) |