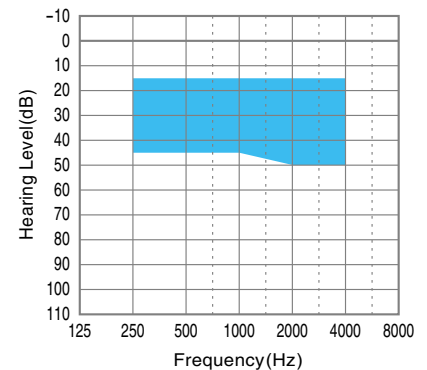




### The HM-04 is ideal for persons who

- in meetings, sometimes miss comments spoken at a low voice
- in meetings, often have to ask for statements to be repeated
- sometimes get told by others that they have turned up the TV volume too high

### Fitting Range



### ● **Unobtrusive thanks to ultra-compact size**

The HM-04 fits snugly in the ear and can be used in any situation. Most people won't even be aware that you are wearing it.

### ● **Simple operation: just turn it on**

All you have to do is insert the HM-04 in your ear and switch it on. No cumbersome adjustments are necessary.

### ● **Pleasing, non-aggressive sound**

Since the HM-04 picks up sound inside your ear, its tone is completely natural. Output control against excessively loud sounds is built in.

### ● **Very affordable**

The HM-04 provides attractive features at an amazingly low price. This makes it also feasible to purchase two units for use in both ears.

### ● **Ear tip with earwax filter**

Ear tip with earwax filter drastically reduces clogging and other problems caused by earwax.

# Specifications

## TECHNICAL DATA (According to ANSI standard S3.22 1996)

Reference test frequency	2500 Hz	
Maximum-OSPL90	103 dB	
HFA-OSPL90	101 dB	
HFA-full-on gain	17 dB	
Reference test gain	17 dB	
Frequency range	200 Hz to 6000 Hz	
Equivalent input noise level	24 dB	
Total harmonic distortion	500Hz	3 %
	800Hz	2 %
	1600Hz	1 %
Operating switch	Case switch	
Battery type	A312HP	
Supply voltage	1.3 V	
Battery current	0.5 mA	
Battery life	280 h	
Dimensions	1.35 × 1.03 × 2.4 cm	
Weight (excluding battery)	1.8 g	

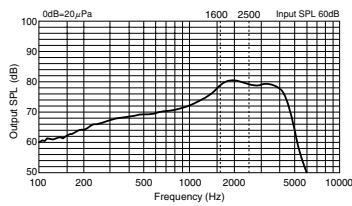
(Typical value)

## TECHNICAL DATA (According to IEC standard Pub.60118-0-1983 Amendment 1-1994)

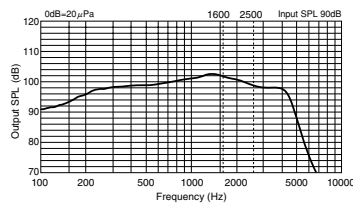
Reference test frequency	2500 Hz	
OSPL <sub>90</sub>		109 dB
	Peak	112 dB
Full on acoustic gain	29 dB	
Reference test gain	29 dB	
Frequency range	200 Hz to 6000 Hz	
Equivalent input noise level	23 dB	
Total harmonic distortion	500Hz	3 %
	800Hz	2.5 %
	1600Hz	1 %
Operating switch	Case switch	
Battery type	PR41	
Supply voltage	1.3 V	
Battery current	0.5 mA	
Battery life	280 h	
Dimensions	1.35 × 1.03 × 2.4 cm	
Weight (excluding battery)	1.8 g	

(Typical value)

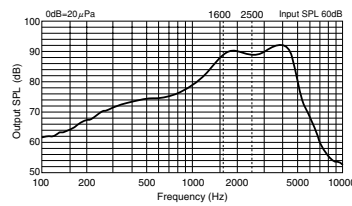
**Frequency response curve**



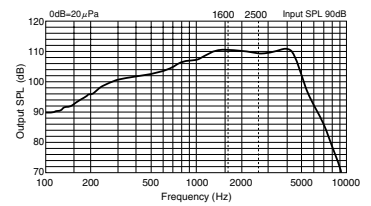
**OSPL90 curve**



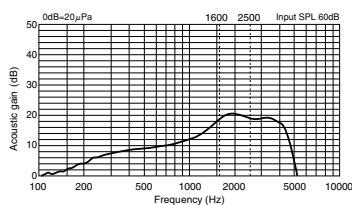
**Basic frequency response curve**



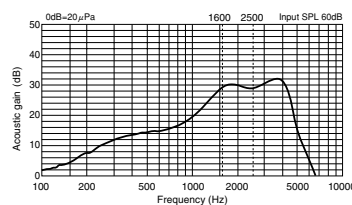
**OSPL<sub>90</sub> curve**



**Full-on gain curve**



**Full-on acoustic gain frequency response curve**



- Note:** (1) Production number (serial number) is indicated near the sound outlet.  
 (2) Manufacture's name is imprinted near the battery holder.

**The following persons may not be able to use this product in some cases:**

- Persons with much cerumen
  - Persons who have a history of ear-related diseases (such as otitis media, Meniere's syndrome, etc.)
  - Persons who have had ear surgery
- \* Remove the HM-04 before using a cellular telephone.

Specifications subject to change without notice

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