

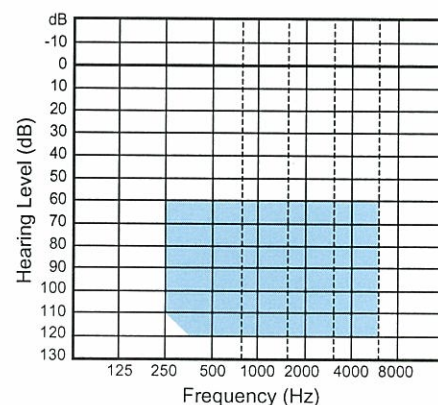
Rion Hearing Instruments

Super Power Type

Model **HB-79P**



Fitting Range



- **Super Power & High Gain**

Maximum SSPL90: 131 dB (ANSI), OSPL 90: 137 dB (IEC)

Peak Gain: 68 dB (ANSI), Full on Gain: 72 dB (IEC)

- **Smaller and More Reliable**

3-D CAD system realized high-density design in a smaller case

- **Water-resistant Technology**

Moisture and perspiration can be easily drained out thanks to the state-of-the-art battery compartement design

TO CREATE A NEW WORLD

 **RION CO., LTD**

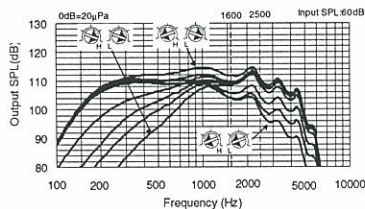
Specifications

TECHNICAL DATA (According to ANSI standard S3.22 1987)

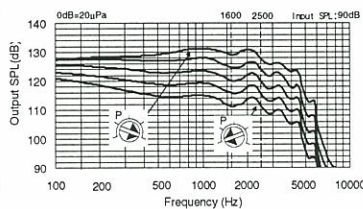
Maximum SSPL90	131 dB	
HFA-SSPL90	129 dB	
HFA-full-on gain	66 dB	
Reference test gain	52 dB	
Frequency range	110 Hz to 5900 Hz	
Equivalent input noise level	26 dB	
Total harmonic distortion	500 Hz	3 %
	800 Hz	2 %
	1600 Hz	1 %
Operating switch	O-MT-M	
Output limiting control	OPC, range 18 dB (continuous)	
Tone control	TONE H, TONE L	
Gain control	MAIN+GAIN, range 55 dB	
Induction coil sensitivity	125 dB at 10 mA/m	
Battery type and life	675AP, 110 h	
Supply voltage	1.3 V	
Battery current	4.9 mA	
Dimensions	4.9 x 1.64 x 1.02 cm	
Weight	6.5 g (excluding battery)	

(Typical value)

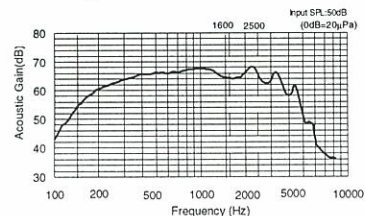
Frequency response curve and effect of tone control



SSPL 90 curve and effect of output limiting control



Full-on gain curve

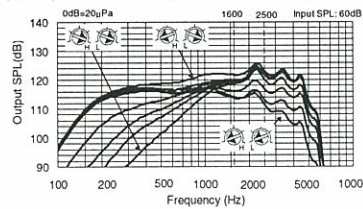


TECHNICAL DATA (According to IEC standard Pub. 118-0-1983)

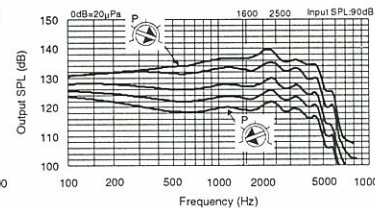
Reference test frequency	1600 Hz	
OSPL90		137 dB
	500 Hz	134 dB
	Peak	140 dB
Full on acoustic gain	72 dB	
Equivalent input noise level	25 dB	
Total harmonic distortion	500 Hz	6 %
	800 Hz	3 %
	1600 Hz	2 %
Operating switch	O-MT-M	
Output limiting control	OPC, range 18 dB (continuous)	
Tone control	TONE H, TONE L	
Gain control	MAIN+GAIN, range 55 dB	
Induction coil sensitivity	112 dB at 1mA/m	
Battery type and life	675AP, 190 h	
Supply voltage	1.3 V	
Battery current	2.8 mA	
Dimensions	4.9 x 1.64 x 1.02 cm	
Weight	6.5 g (excluding battery)	

(Typical value)

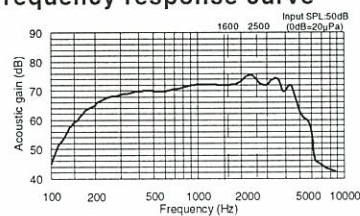
Basic frequency response curve and effect of tone control



OSPL90 curve and effect of output limiting control



Full-on acoustic gain frequency response curve



Note: (1) Production number (serial number) is indicated inside the battery door.

(2) Manufacture's name is imprinted at the battery door.

Specifications subject to change without notice.

RION CO., LTD.

20-41, Higashimotomachi 3-chome, Kokubunji, Tokyo 185-8533, Japan
 Telephone: +81-42-359-7862 Fax: +81-42-359-7441
 URL: <http://www.rion.co.jp/>