Specification According to ANSI Standard S3.22 1996

(Typical value)

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Model		HB-M1	HB-M2	
Maximum-OSPL90		124 dB (1100 Hz)	123 dB (2400 Hz)	
HFA-OSPL90		116 dB	121 dB	
HFA-full-on Acoustic Gain		45 dB	54 dB	
Reference Test Gain		36 dB	44 dB	
Frequency Range		200 Hz to 6900 Hz	200 Hz to 6300 Hz	
Equivalent Input Noise Level		29 dB	27 dB	
Total Harmonic Distortion	500 Hz	_	2.0 %	
	800 Hz	7.0 %	2.0 %	
	1600 Hz	3.0 %	2.0 %	
AGC		_	OPC (output AGC)	
Attack / Recovery Time		_	Attack: 2 msec / Recovery: 50 msec	
Operating Switch		O - S - M		
Output Limiting Control		MOP (range: 15 dB)	OPC (range: 16 dB)	
Tone Control		TONE H		
Gain Control		Main VR (range 42 dB)	Main VR (range 33 dB)	
Battery Type / Supply Voltage		13 (PR48)/ 1.3 V		
Battery Current		1.25 mA	0.6 mA	
Battery Life		230 h	460 h	
Dimensions		3.75×1.27×0.88 cm		
Weight (excluding battery)		4.0 g		
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(All frequency Response Curves are measured at "Linear mode")

Specifications subject to change without notice



Telephone: +81-42-359-7862 Fax: +81-42-359-7441 URL:http://www.rion.co.jp/

Distributed by:



Fitting range



Water-resistant Family High cost performance



Perspiration resistant Newly designed ultra-compact body Improved ease of operation •Low frequency reduction •"Either way" battery polarity Compatible with cell phone







Water and perspiration resistant Exclusive Rionet perspiration resistant design

Protects internal parts from water and/ or perspiration



Specially designed O-ring prevents entry of water and/ or perspiration via volume control

Matching inlay-fit design and oil seal ensures tight fit and blocks water and/ or perspiration.





Control cover uses silicone material for improved packing of joints.

Perspiration resistant test

Rionet performs thorough perspiration resistant test. Only parts that have successfully undergoing testing are used for units.



Improved ease of operation

Volume control does not protrude, to prevent inadvertent operation. This design allows a reduction in the force required to turn the control.

Specification According to IEC Standard 60118

		6
Model		HB-M1
Reference Test Freque	ncy	1600 Hz
OSPL90		124 dB
	500 Hz	123 dB
	Peak	129 dB
Full-on Acoustic Gain		54 dB
Equivalent Input Noise	Level	27 dB
Total Harmonic	500 Hz	_
Distortion	800 Hz	9.0 %
	1600 Hz	5.0 %
AGC		_
Attack / Recovery Time		_
Operating Switch		
Output Limiting Control		MOP (range: 15 dB)
Tone Control		
Gain Control		Main VR (range 42 dB
Battery Type / Supply V	oltage	
Battery Current		1.25 mA
Battery Life		230 h
Dimensions		
Weight (excluding battery	·)	





(All frequency Response Curves are measured at "Linear mode")