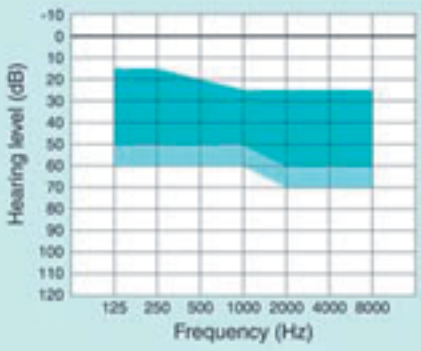
JOYTON

HI-G1E/HI-G2E/HB-G1E

- **Clear and natural** sound
- **Affordable price** ranges with superb features
- **Versatile adjustment features**
- User-friendly features such as **"Either way" battery holder** and **low battery warning beep**

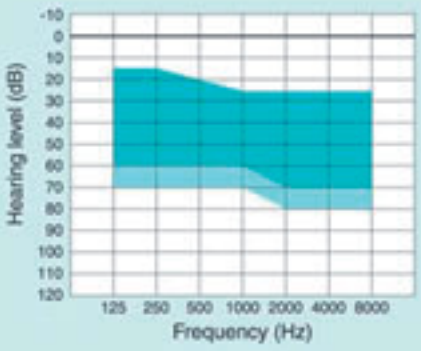
CIC
HI-G1E

Mild
Moderate



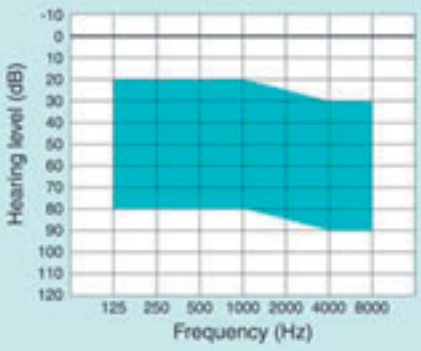
Canal
HI-G2E

Mild
Moderate



BTE
HB-G1E

Mild
Moderate
Severe

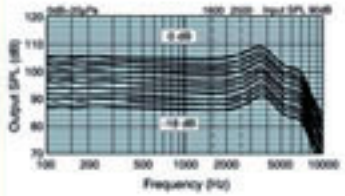
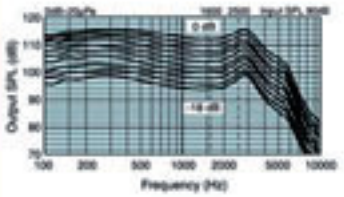
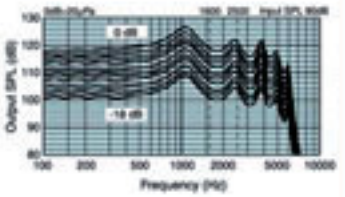
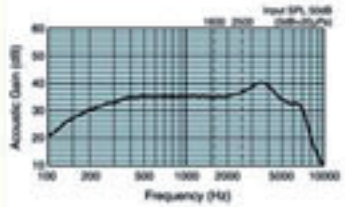
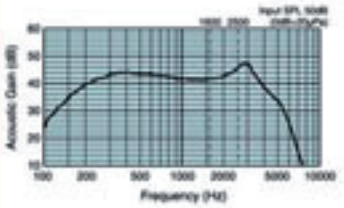
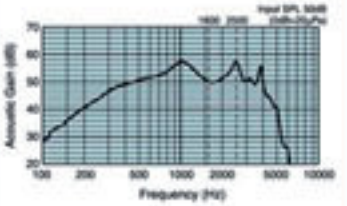
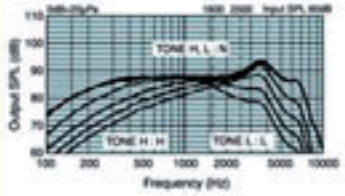
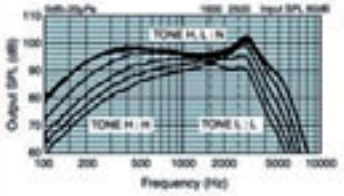
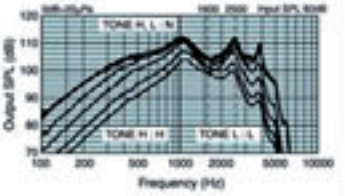


RION CO., LTD.

Specifications

TECHNICAL DATA (According to ANSI standard S3.22 2003) (Typical value)

Model	HI-G1E	HI-G2E	HB-G1E (with E1 hook)
Maximum-OSPL90	108 dB (3500 Hz)	115 dB (2800 Hz)	125 dB (1000 Hz)
HFA-OSPL90	105 dB	113 dB	122 dB
HFA-full-on Acoustic Gain	35 dB	43 dB	55 dB
Reference Test Gain	28 dB	36 dB	45 dB
Frequency Range	200 Hz to 8000 Hz	200 Hz to 6400 Hz	200 Hz to 5400 Hz
Equivalent Input Noise Level	24 dB	21 dB	21 dB
Total Harmonic Distortion	500 Hz:2% 800 Hz:2% 1600 Hz:2%	500 Hz:2% 800 Hz:2% 1600 Hz:2%	500 Hz:2% 800 Hz:2% 1600 Hz:1%
AGC	CRC (Input AGC)/OPC (Output AGC)		
Operating Switch	Case Switch		O-M2-M
Output Limiting Control	OPC (range: 18 dB)		
Tone Control	TONE H, TONE L		
Gain Control	GAIN (range: 34 dB)		Main VR (range: 30 dB) GAIN (range: 34 dB)
Battery Type/Supply Voltage	10/1.3 V	312/1.3 V	13/1.3 V
Battery Current	0.87 mA	1.0 mA	0.94 mA
Battery Life	Approx. 90 hours	Approx. 140 hours	Approx. 280 hours
Dimensions	—		3.75 × 1.27 × 0.88 cm
Weight	—		4.0 g (excluding battery)

Model	HI-G1E	HI-G2E	HB-G1E
♦ OSPL90 curve and effect of output limiting control			
♦ Full-on gain curve			
♦ Frequency response curve and effect of tone control			

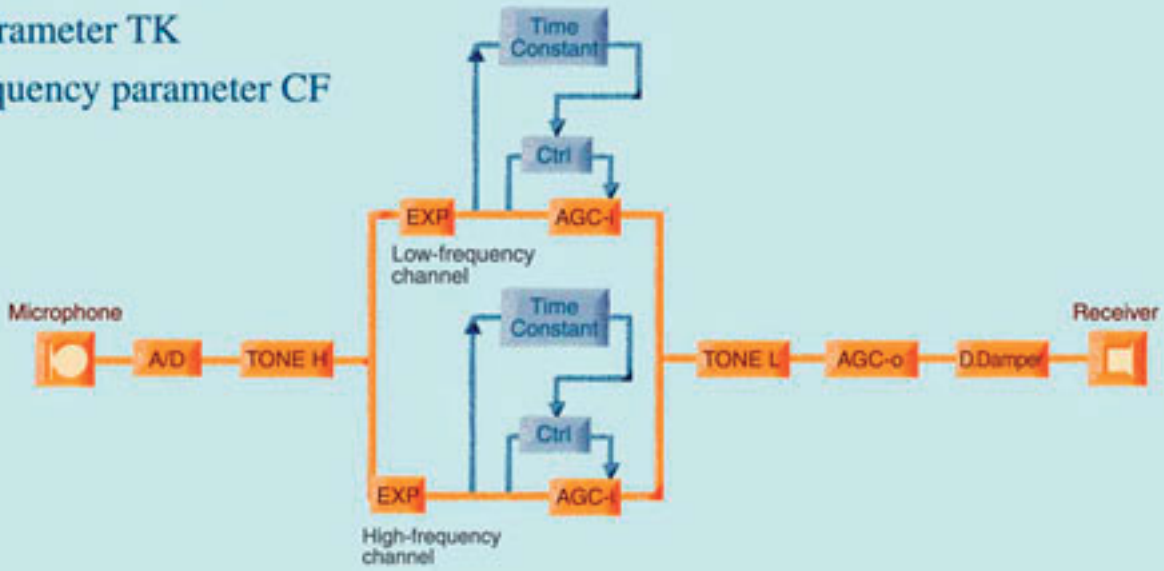
JOYTON

2-channel processing principle

Since the level is controlled individually for each channel, the processing results for one channel will not influence the other. And the following settings can be done individually for each channel;

- ♦ Input/Output characteristics
- ♦ Knee point parameter TK
- ♦ Crossover frequency parameter CF

Block diagram

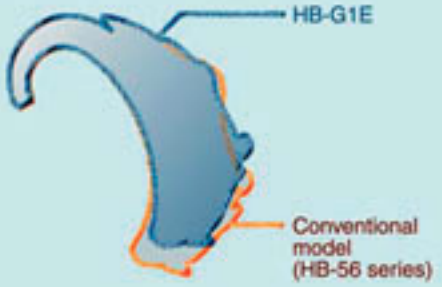


New "D-Damper" parameter

The "D-Damper" works like an acoustic damper, by which the sounds can be heard more comfortably without any hollowing and lingering feeling.

User-friendly features

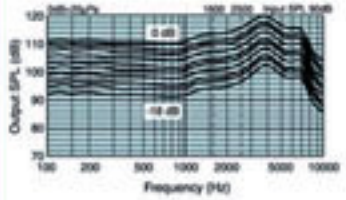
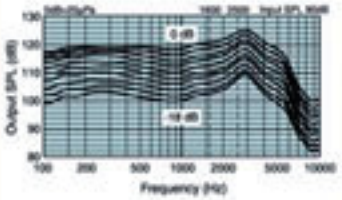
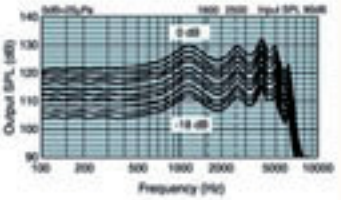
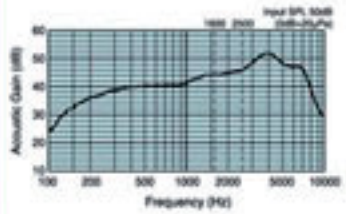
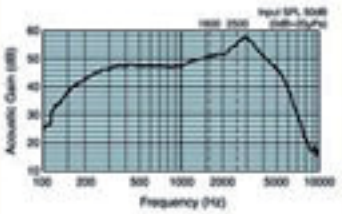
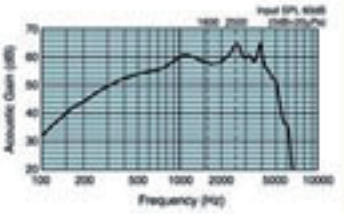
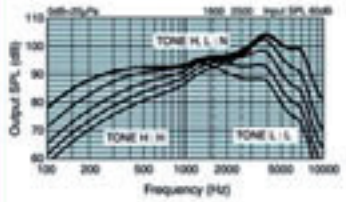
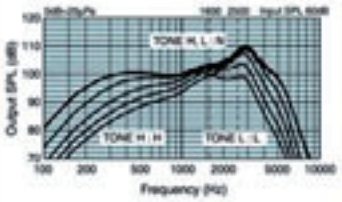
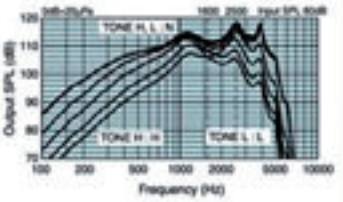
- ♦ "Either way" battery holder (except for HI-G1E)
- ♦ Low battery warning beep
- ♦ Multi-memory function (except for HI-G1E)
- ♦ Compact, sweat-resistant case (HB-G1E)



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

(Typical value)

Model		HI-G1E	HI-G2E	HB-G1E (with E1 hook)
Reference Test Frequency		1600 Hz	1600 Hz	1600 Hz
OSPL90		114 dB	120 dB	125 dB
	500 Hz	112 dB	118 dB	122 dB
	Peak	119 dB	125 dB	132 dB
Full-on Acoustic Gain		43 dB	50 dB	58 dB
Equivalent Input Noise Level		24 dB	22 dB	22 dB
Total Harmonic Distortion		500 Hz:2% 800 Hz:2% 1600 Hz:2%	500 Hz:2% 800 Hz:2% 1600 Hz:2%	500 Hz:3% 800 Hz:2% 1600 Hz:2%
AGC		CRC (Input AGC)/OPC (Output AGC)		
Operating Switch		Case Switch		O-M2-M
Output Limiting Control		OPC (range: 18 dB)		
Tone Control		TONE H, TONE L		
Gain Control		GAIN (range: 34 dB)		Main VR (range: 30 dB) GAIN (range: 34 dB)
Battery Type/Supply Voltage		PR536/1.3 V	PR41/1.3 V	PR48/1.3 V
Battery Current		0.83 mA	1.0 mA	1.0 mA
Battery Life		Approx. 90 hours	Approx. 140 hours	Approx. 260 hours
Dimensions		—		3.75 × 1.27 × 0.88 cm
Weight		—		4.0 g (excluding battery)

Model	HI-G1E	HI-G2E	HB-G1E
♦ OSPL90 curves and effect of output limiting control			
♦ Full-on acoustic gain frequency response curve			
♦ Basic frequency response curve and effect of tone control			

Specifications subject to change without notice.

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