

Technical Information

Gem 12+

- 12 frequency channels
- 8 compression controls
- 4 channel AGCo
- RIC technology (with 45dB external receiver)
- Applicable for mild to moderate hearing losses
- Push button
- 4 memories
- 10A battery

Highlights

- Wireless technology
 - Signal processing coupling
 - Program coupling
 - Remote control option
 - Wireless programming
- Sound Brilliance
- Automatic Acclimatization with Sound Tailoring
- Automatic Equalizer with Sound Tailoring
- Sound Locator
- Multichannel adaptive directional microphone
- Real Time Display
- Aqua Protect

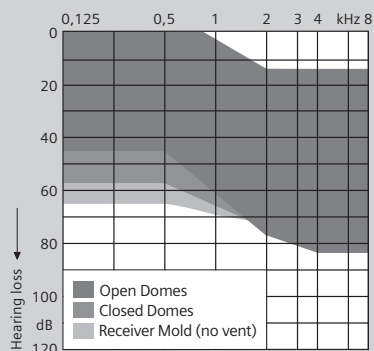
Basic Features

- Feedback Preventer
- SoundSmoothing
- Windnoise cancellation
- Automatic directional microphone
- Automatic adaptive noise reduction
- Data Logging
- Input level adaptive beeps
- Battery door on/off

Options & Accessories

- Remote control
- Wireless programming via ConnexxLink
- Wired programming via programming adaptor 10A

Fitting Range



⚠ CAUTION:

This hearing instrument fitted with domes is not intended for use by patients with perforated eardrums or exposed middle ear cavities.

⚠ CAUTION:

Use only with 45 dB receiver! Usage of other receivers may cause damage to the device.



Data Sheet

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Gem 12+

Technical Data*

	2 ccm coupler	Ear simulator
	IEC 60118-7:2005 ANSI S3.22-2003	IEC 118-0/A1
Output Sound Pressure Level (OSPL)		
at 1.6 kHz	–	108 dB
Peak	108 dB	118 dB
HFA ¹ -OSPL 90	101 dB	–
Gain (Input 50 dB)		
FOG ² at 1.6 kHz	–	41 dB
FOG (Peak)	45 dB	55 dB
HFA-FOG	37 dB	–
Reference Test Gain	24 dB	33 dB
Frequency Range		
Low frequency limit	110 Hz	180 Hz
High frequency limit	7600 Hz	8000 Hz
Total Harmonic Distortion		
500 Hz	1 %	1 %
800 Hz	1 %	1 %
1600 Hz	1 %	1 %
Equivalent Input Noise	19 dB	19 dB
AGC-O		
Attack time	5 ms	–
Release time	680 ms	–
Battery Type A 10		
Battery current	~ 0.8 mA	~ 0.8 mA
IRIL³ IEC 118-13:2004 (bystander)		
800-960 MHz	< -10 dB	
1400-2000 MHz	< -10 dB	
ANSI C63.19-2001	M4	
Directivity Index at 2.5 kHz	2.8	

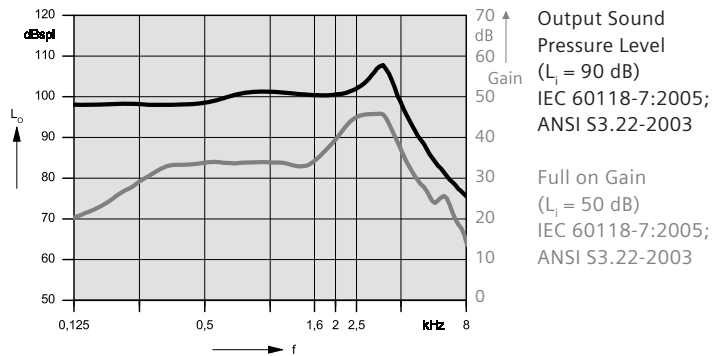
* Data is representative. Technical specifications are subject to change without notice.

- ¹ HFA = High Frequency Average;
² FOG = Full On Gain,
³ IRIL = Input Related Interference Level

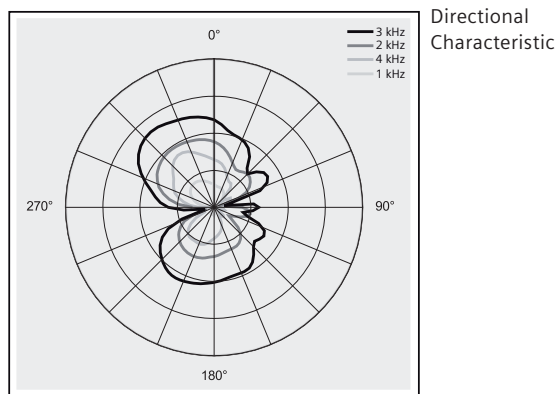
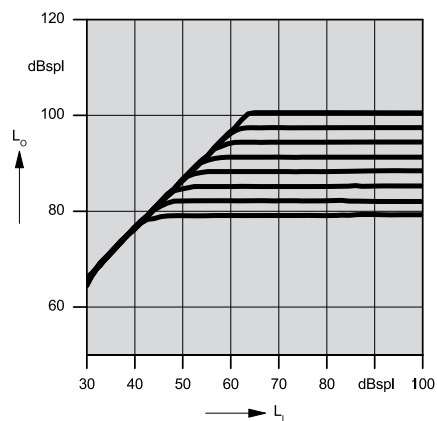
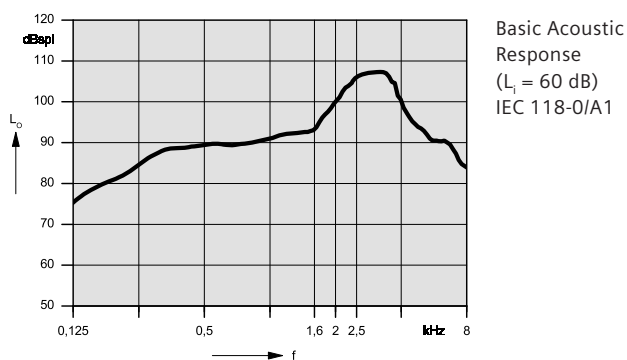
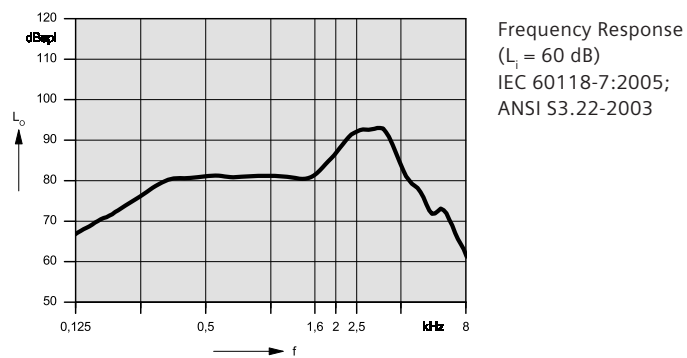
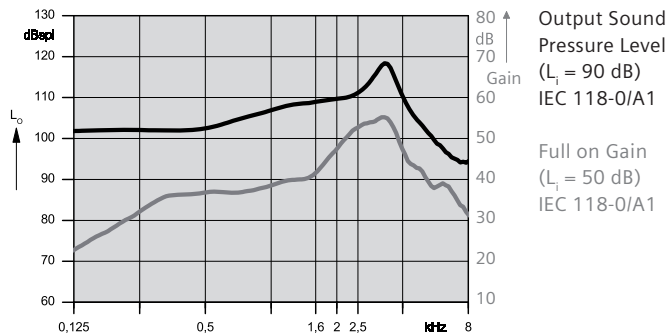
Gem 12+

Basic Data

2 ccm coupler



Ear simulator



Gem 12+

Order numbers

Gem 12+

with push button

106 012 91 Beige
106 016 14 Brown
106 016 21 Granite
106 016 37 Grey
106 016 41 Silver
106 016 39 Pearl White
106 016 19 Charcoal
106 016 43 Sandy Brown

without push button

106 012 74 Beige



Color Conversion Kits (incl. Removal Tool)

with push button

106 020 64 Beige
106 020 74 Brown
106 020 91 Granite
106 020 99 Grey
106 021 34 Silver
106 021 18 Pearl White
106 020 83 Charcoal
106 021 26 Sandy Brown

without push button

106 021 41 Beige

Microphone Cover Exchange Kit (4 pcs, incl. Removal Tool)

with push button

106 020 66 Beige
106 020 77 Brown
106 020 93 Granite
106 021 00 Grey
106 021 36 Silver
106 021 20 Pearl White
106 020 85 Charcoal
106 021 28 Sandy Brown

without push button

106 021 42 Beige

Receiver Units

S-miniReceiver

104 259 88 miniReceiver Unit, 0L
104 259 89 miniReceiver Unit, 0R
104 259 90 miniReceiver Unit, 1L
104 259 91 miniReceiver Unit, 1R
104 259 92 miniReceiver Unit, 2L
104 259 93 miniReceiver Unit, 2R
104 259 94 miniReceiver Unit, 3L
104 259 95 miniReceiver Unit, 3R

Domes

Click-Domes

104 260 16 Open Click Dome 4 mm (6 pcs)
104 260 14 Open Click Dome 8 mm (6 pcs)
104 260 15 Open Click Dome 10 mm (6 pcs)
104 260 17 Closed Click Dome 6 mm (6 pcs)
104 260 12 Closed Click Dome 8 mm (6 pcs)
104 260 13 Closed Click Dome 10 mm (6 pcs)
104 260 18 Double Click Dome 8 mm (6 pcs)
104 260 19 Double Click Dome 10 mm (6 pcs)

Accessories

104 180 42 Remote control (with LED)
104 236 64 ConnexxLink (for wireless programming)
103 011 56 Programming Adaptor 10A (2 pcs)
105 989 68 Dispenser Kit
102 983 69 Measuring Gauge
102 961 13 Removal Tool

WARNING

Instrument contains small parts.

Choking hazard!

- ▶ Do not use this instrument for the fitting of infants, small children or persons of mental incapacity.

WARNING

Instrument has an output sound pressure level of 132 dB SPL or more.

Risk of impairing the residual hearing of the user.

- ▶ Take special care when fitting this instrument.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice. The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

Find the current issue of this document under:
<http://factsandfigures.rexton.com>

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