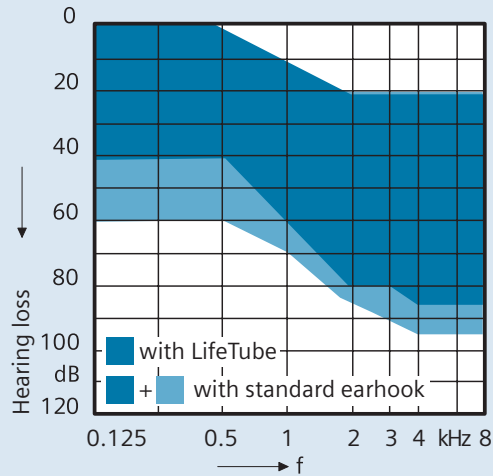


ACURIS™ Life

Technical Information for Behind-the-Ear Hearing Instruments



Fitting Range



Premium Features

- Sleek micro-BTE design with no controls on the housing
- Programmable BTE instrument with e2e wireless™
- Optimized solution for binaural fitting
- Monaural device with upgrade possibility to a binaural system, e2e wireless standard
- For mild to moderate hearing loss, ski-slope hearing loss, and first time users
- Thin and inconspicuous LifeTube for right and left side
- High speed automatic feedback cancellation
- Automatic situation detection including music detection
- Adaptive noise reduction and adaptive speech enhancement
- Three individual hearing programs, control of volume, and read-out functionality possible with optional ePocket™ remote control
- Professional and efficient fitting with new workflow oriented CONNEXX™ software

Standard Features

- e2e wireless
- Battery type 312
- Alerting tones for low battery voltage, and, if applicable, for volume step size and limits, and program change (with ePocket remote control)
- Battery compartment with ON/OFF switch

Options

- Housing in beige, tobacco, gray, granite, black, silver, and translucent

Accessories

- ePocket bi-directional remote control with read out function; belt clip and cover included
- Life Fitting Set including LifeTubes, LifeTips, LifeTube Selector, and other fitting accessories
- Standard earhook with damper – optional

Amplifier

- Fully digital 16-channel amplifier with e2e wireless

Battery

Battery voltage	1.3 V
Battery current drain: ANSI	1.0 mA
Battery life Type 312 Cell Zinc Air	~120 - 140 hrs

	2 ccm coupler		Ear simulator
	ANSI S3.22 - 1996	IEC 118-7	IEC 118-0
Output Sound Pressure Level			
2.5 kHz	–	112 dB	123 dB
Peak	123 dB	123 dB	128 dB
HF-Average OSPL 90	112 dB	–	–
Gain (Input 50 dB)			
2.5 kHz	–	38 dB	45 dB
Peak	42 dB	42 dB	54 dB
HF-Average	34 dB	–	–
Reference test gain	35 dB	30 dB	39 dB
Frequency Range			
Low frequency limit	110 Hz	–	–
High frequency limit	6500 Hz	–	–
Total Harmonic Distortion			
500 Hz	1%	1%	1%
800 Hz	1%	1%	1%
1600 Hz	2%	2%	2%
Equivalent Input Noise	18 dB	13 dB	13 dB
AGC-O			
Attack time	5 ms	–	–
Release time	90 ms	–	–
Battery			
Battery Current Drain	1.0 mA	0.9 mA	0.9 mA
Battery Life			
Battery Voltage	1.3V	1.3V	1.3V
Type 312 Cell Zinc-Air	~120 h	~140 h	~140 h
IRIL IEC 118-13			
800-960 MHz	–	-20 dB	–
1400-2000 MHz	–	-13 dB	–

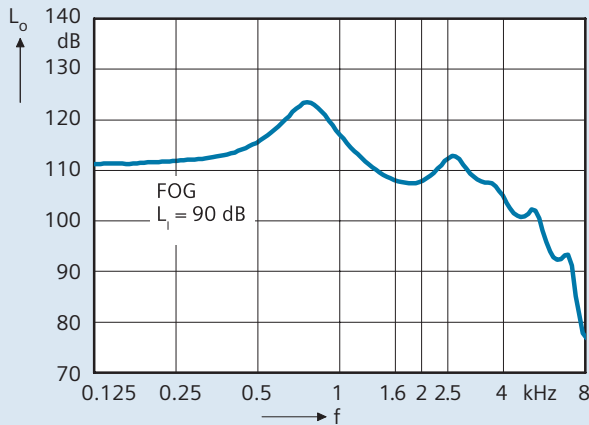
Technical information for e2e wireless™ function: Operating frequencies: f_{low} = 115 kHz, f_{high} = 120 kHz; Rated H-field strength (maximum): $-11.5\mu\text{A/m}$ at 3 meters

Protected, according to IEC 118-13, in the relevant frequency range for mobile and cordless phones against high frequency interface: IRIL* <0 dB SPL

Measure instructions: Instrument in linear setting, with Life Tube. Input signal: Sinus Burst; Frequency: 2500 Hz; Low Level: 33 dB; High Level: 60 dB, Interval: 250 ms; On-Time: 125 ms.

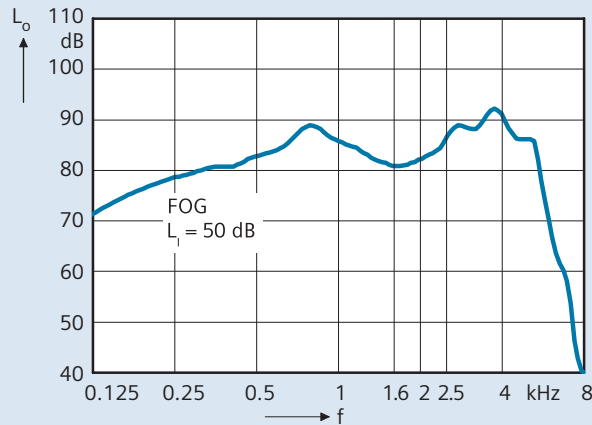
Saturation Sound Pressure Level

IEC 118-7/A1



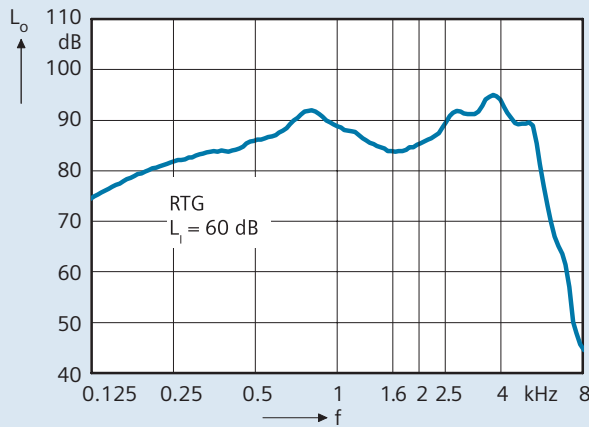
Maximum Gain

IEC 118-7/A1



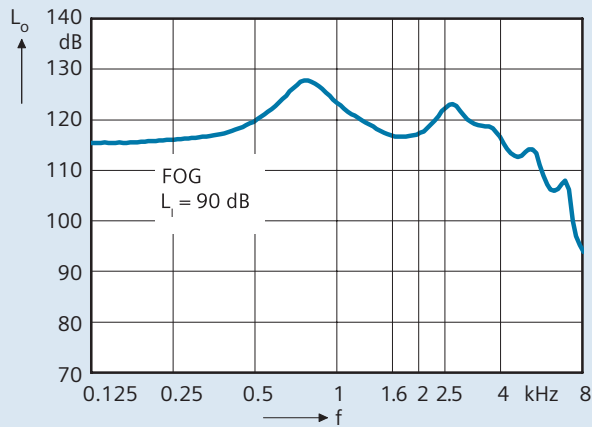
Normal Acoustic Response

IEC 118-7/A1



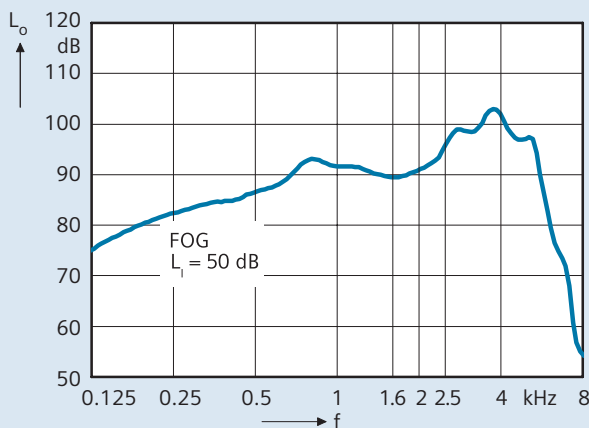
Saturation Sound Pressure Level

IEC 118-0/A1



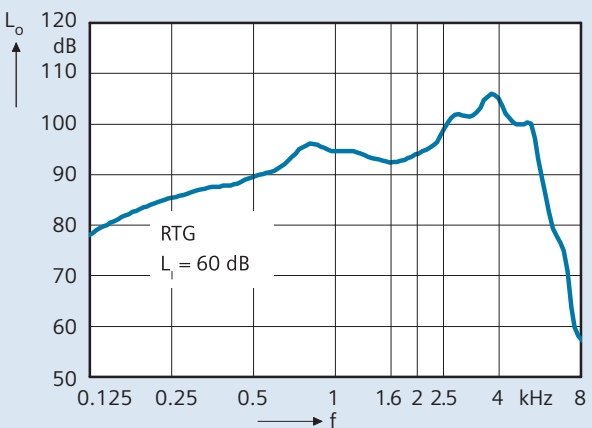
Maximum Gain

IEC 118-0/A1



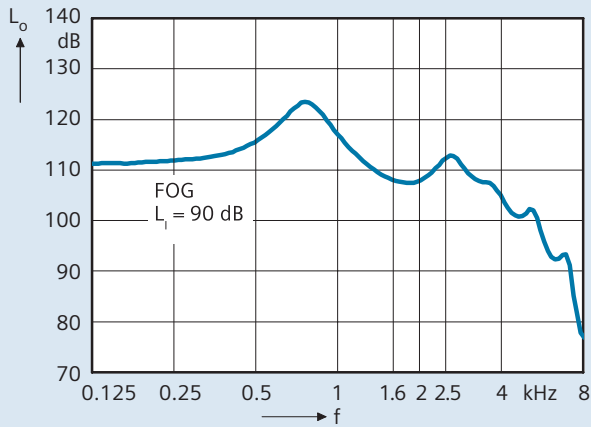
Normal Acoustic Response

IEC 118-0/A1



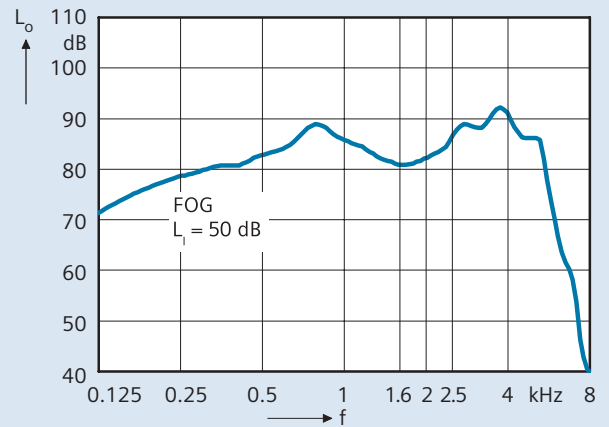
Saturation Sound Pressure Level

ANSI S3.22-1996



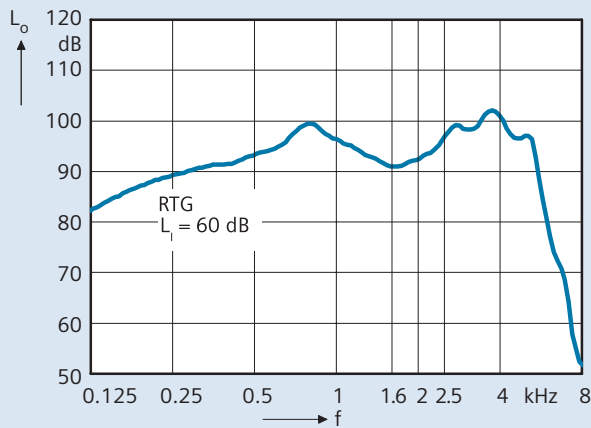
Maximum Gain

ANSI S3.22-1996



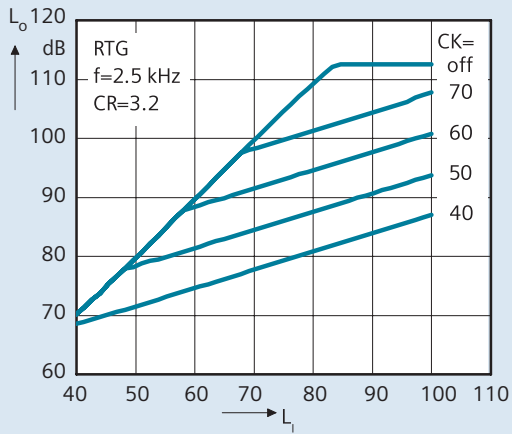
Normal Acoustic Response

ANSI S3.22-1996



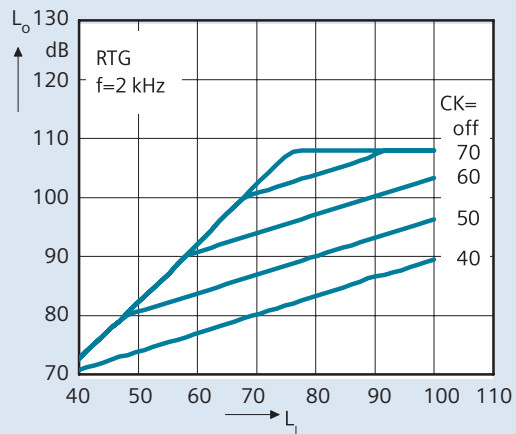
AGC-I Effect of CK-Control

IEC 118-7/A1



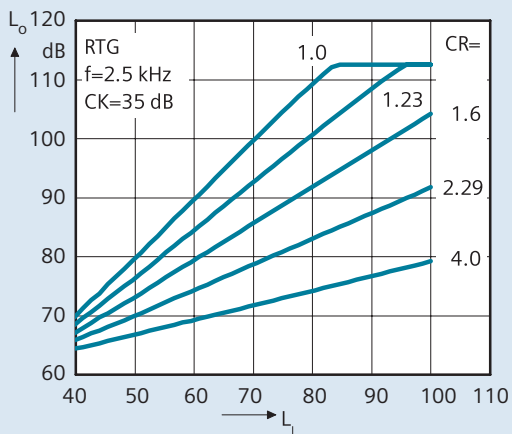
AGC-I Effect of CK-Control

ANSI S3.22-1996



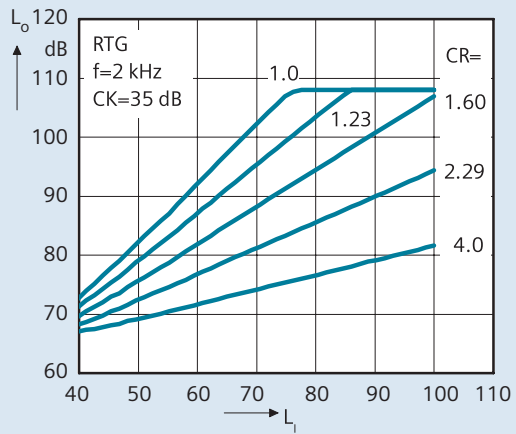
AGC-I Effect of CR-Control

IEC 118-7/A1



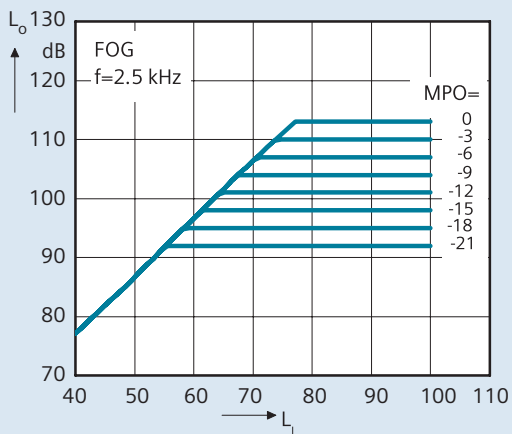
AGC-I Effect of CR-Control

ANSI S3.22-1996



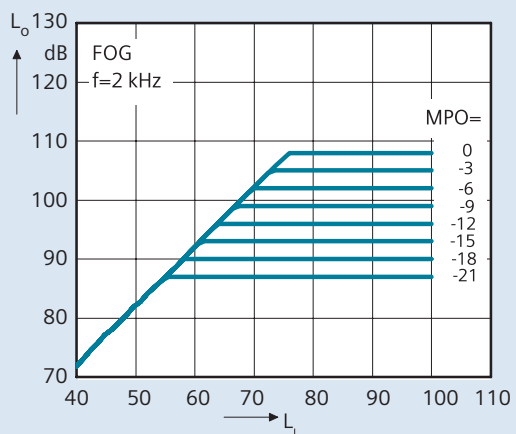
AGC-O Effect of MPO-Control

IEC 118-7/A1



AGC-O Effect of MPO-Control

ANSI S3.22-1996



	2 ccm coupler		Ear simulator
	ANSI S3.22 - 1996	IEC 118-7	IEC 118-0
Output Sound Pressure Level			
2.5 kHz	–	123 dB	130 dB
Peak	123 dB	123 dB	131 dB
HF-Average OSPL 90	119 dB	–	–
Gain (Input 50 dB)			
2.5 kHz	–	47 dB	54 dB
Peak	50 dB	50 dB	61 dB
HF-Average	40 dB	–	–
Reference test gain	42 dB	40 dB	47 dB
Frequency Range			
Low frequency limit	130 Hz	–	–
High frequency limit	6300 Hz	–	–
Total Harmonic Distortion			
500 Hz	1%	1%	1%
800 Hz	2%	1%	1%
1600 Hz	2%	1%	1%
Equivalent Input Noise			
	18 dB	13 dB	13 dB
AGC-O			
Attack time	5 ms	–	–
Release time	90 ms	–	–
Battery			
Battery Current Drain	1.0 mA	0.9 mA	0.9 mA
Battery Life			
Battery Voltage	1.3V	1.3V	1.3V
Type 312 Cell Zinc-Air	~120 h	~140 h	~140 h
IRIL IEC 118-13			
800-960 MHz	–	-20 dB	–
1400-2000 MHz	–	-13 dB	–

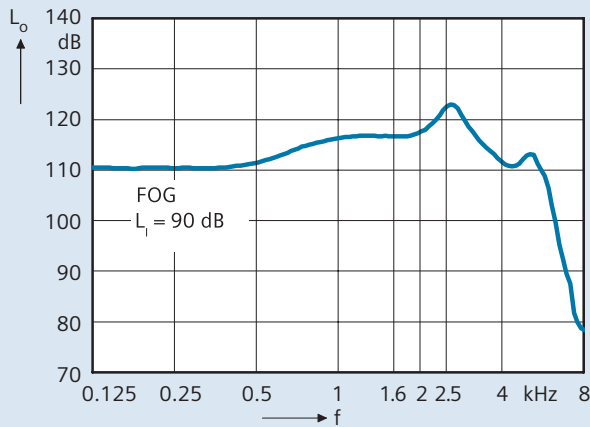
Technical information for e2e wireless™ function: Operating frequencies: f_{low} = 115 kHz, f_{high} = 120 kHz; Rated H-field strength (maximum): -11.5 μ A/m at 3 meters

Protected, according to IEC 118-13, in the relevant frequency range for mobile and cordless phones against high frequency interface: IRIL* <0 dB SPL

Measure instructions: Instrument in linear setting, with earhook. Input signal: Sinus Burst; Frequency: 2500 Hz; Low Level: 33 dB; High Level: 60 dB, Interval: 250 ms; On-Time: 125 ms.

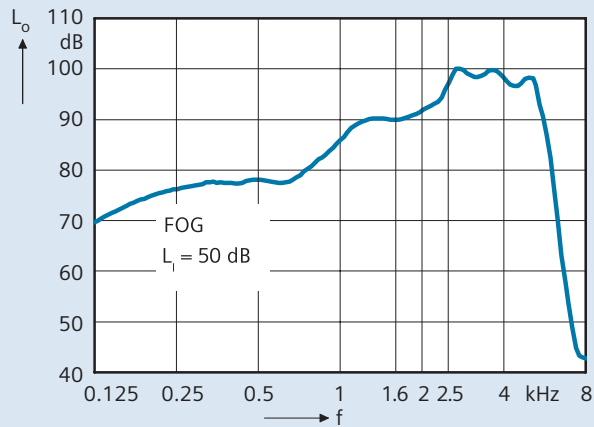
Saturation Sound Pressure Level

IEC 118-7/A1



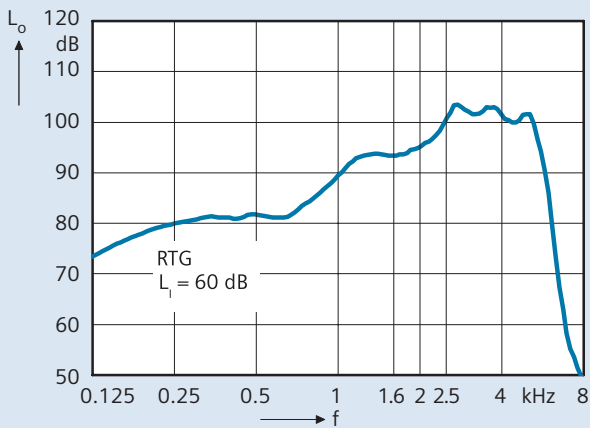
Maximum Gain

IEC 118-7/A1



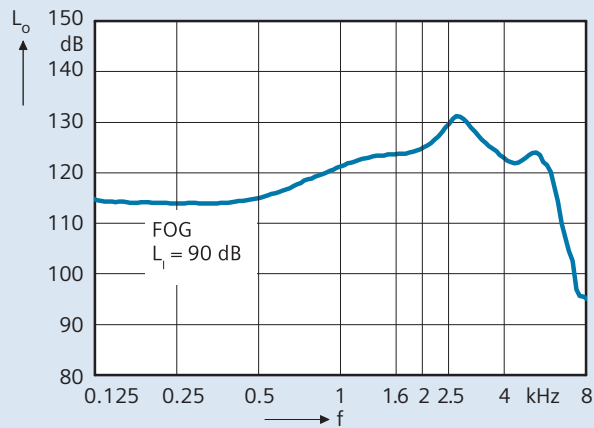
Normal Acoustic Response

IEC 118-7/A1



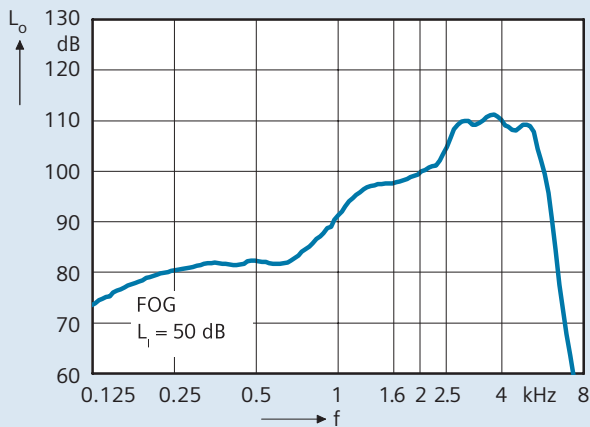
Saturation Sound Pressure Level

IEC 118-0/A1



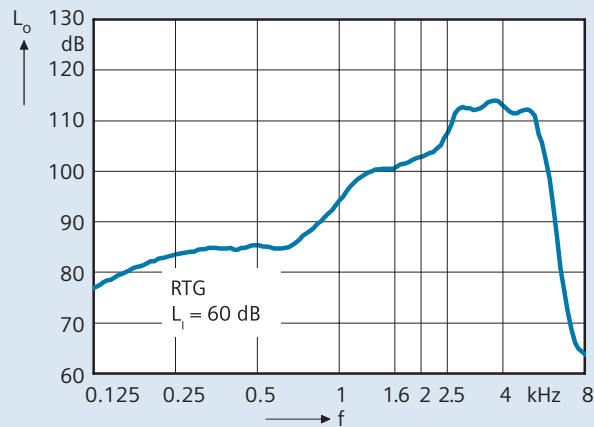
Maximum Gain

IEC 118-0/A1



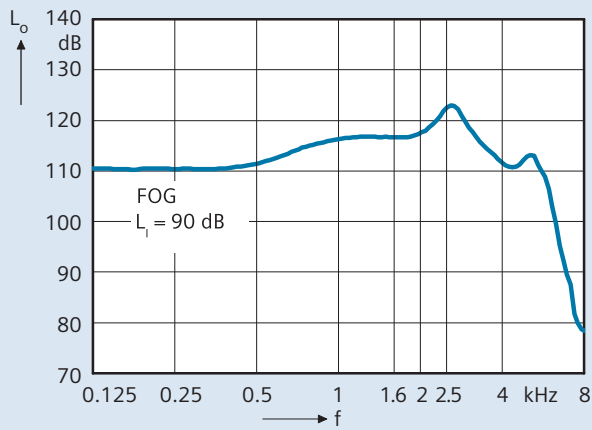
Normal Acoustic Response

IEC 118-0/A1



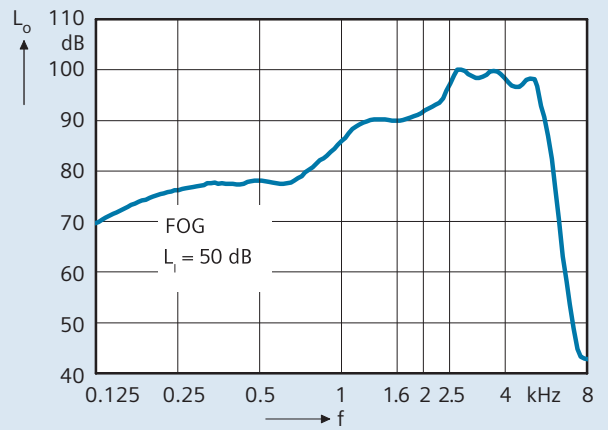
Saturation Sound Pressure Level

ANSI S3.22-1996



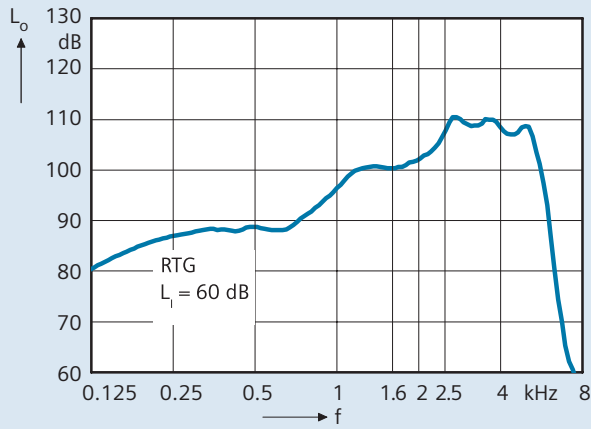
Maximum Gain

IEC 118-7/A1/ANSI96



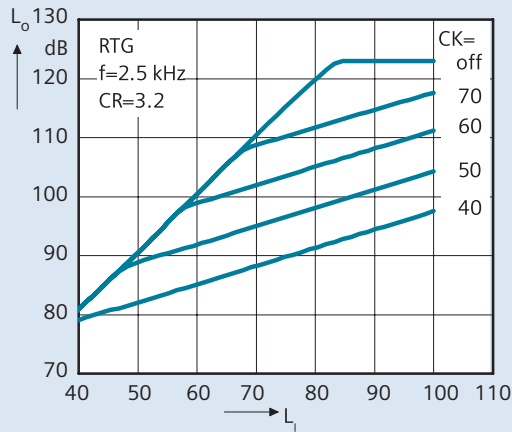
Normal Acoustic Response

ANSI S3.22-1996



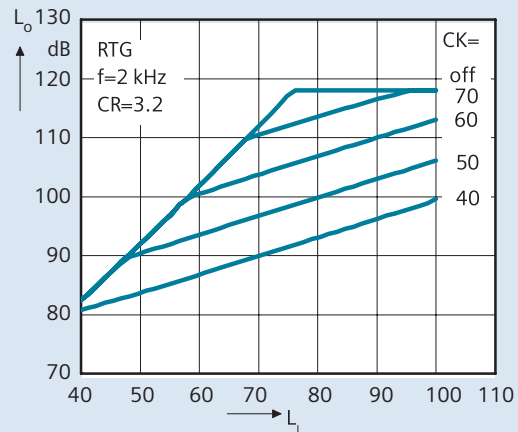
AGC-I Effect of CK-Control

IEC 118-7/A1



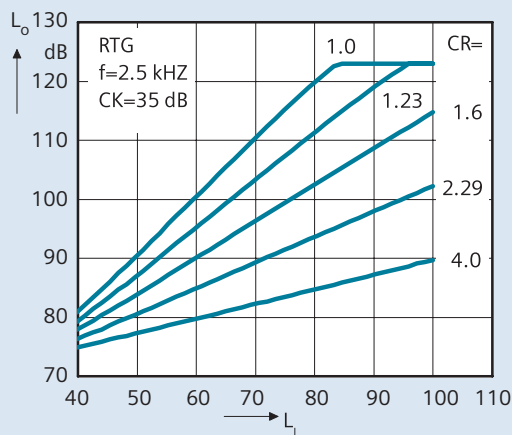
AGC-I Effect of CK-Control

ANSI S3.22-1996



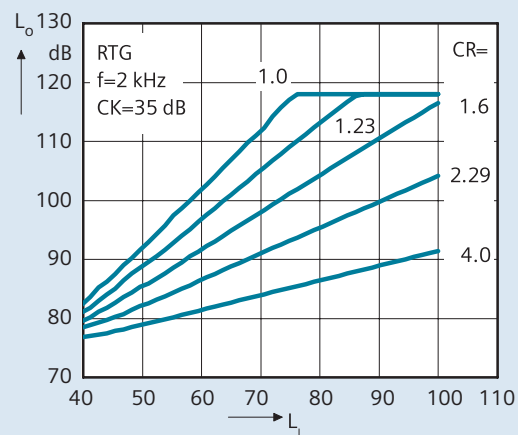
AGC-I Effect of CR-Control

IEC 118-7/A1



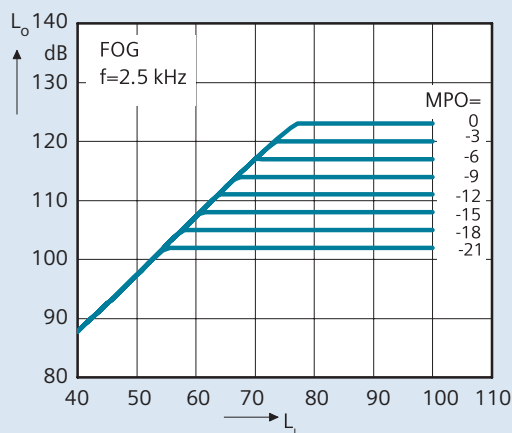
AGC-I Effect of CR-Control

ANSI S3.22-1996



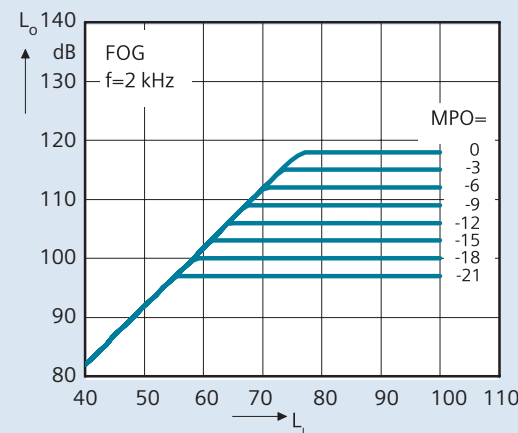
AGC-O Effect of MPO-Control

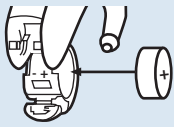
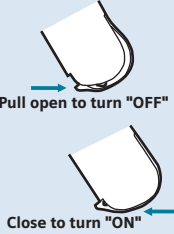

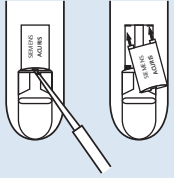
IEC 118-7/A1






AGC-O Effect of MPO-Control

ANSI S3.22-1996



	<p><u>Insert the Battery</u></p> <p>Open the battery compartment and place the battery so the "+" symbol on the battery coincides with the "+" marked on the battery compartment</p> <p>Battery type 312.</p>
	<p><u>Turn the Hearing System ON and OFF</u></p> <p>After the battery is inserted and the battery compartment is completely closed, ACURIS Life is "ON." Opening the battery compartment to the first stop turns ACURIS Life "OFF."</p>
	<p><u>Programming Socket</u></p> <p>The programming socket lies under a flap below the program button. With a suitable tool, open the flap. After the programming procedure is complete, close the flap using your fingernail.</p>
	<p><u>Changing the Type Plate</u></p> <p>To mark the left and right side of your ACURIS Life instruments when fitting binaural, exchange the housing colored type plates on the inner curve of the instruments for blue (left) and red (right) ones. Use a suitable tool to lift and remove the type plate. Lock the two pins on the new type plate into the openings, and press gently into position with your finger.</p>

Accessories

	<p><u>ePocket™</u></p> <p>The ACURIS Life hearing system supports the use of an optional ePocket™, a bi-directional remote control.</p> <p>ePocket enables up to three individual hearing programs, control of volume and program change, and read-out display of the current program, volume level and battery status for ACURIS Life hearing systems.</p> <p>ePocket includes a belt clip and cover.</p>
	<p><u>Life Fitting Set</u></p> <p>The Life Fitting Set includes all parts and tools necessary for fitting ACURIS Life in a convenient carrying case. Refills for all parts are available through Siemens.</p>
	<p><u>Earhook</u></p> <p>A traditional dampened earhook is an available option.</p>

Siemens Hearing Instruments, Inc. locations

United States Headquarters/Northeast Manufacturing Facility:

10 Constitution Avenue, P.O. Box 1397, Piscataway, NJ 08855-1397 • (732) 562-6600 or (800) 766-4500

Midwest Manufacturing Facility: (847) 808-1200 or (800) 333-9083

South Manufacturing Facility: (770) 422-4540 or (800) 922-9998

West Manufacturing Facility: (562) 404-4531 or (800) 998-9787

Technical Support for Software and Systems: (888) 231-1333

www.usa.siemens.com/hearing

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A Division of Siemens Canada Limited

320 Pinebush Road, Cambridge, Ontario, Canada N3C 2V3 • (519) 622-5200 or (800) 663-0620

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