

Relate^{4.0} RIC 312

Relate^{4.0} Platinum RIC 312, Relate^{4.0} Gold RIC 312

312 receiver in canal (RIC) direct connectivity hearing instrument series



RIC 312

SoundSuite OS		Platinum	Gold
Environmental classification	Total listening environments	8	6
	Conversation in loud noise	•	
	Conversation in a crowd	•	
	Conversation in a small group	•	•
	Music	•	•
	Noise	•	•
	Quiet	•	•
	Conversation in quiet	•	•
	Conversation in noise	•	•
	Total streaming environments	2	2
	Media speech	•	•
	Media music	•	•
Sound optimization and performance	ActiveFocus	•	•
	Conversation in loud noise (manual program)	•	•
	360 conversation in car (manual program)	•	
	AutoTarget Pro	•	
	AutoTarget		•
	Dynamic noise reduction	•	•
	Soft speech intensifier	•	•
	Sound Mapping	•	•
	Pinna Effect	•	•
	Speech intensifier	•	•
	Noise reduction	•	•
Hardware features			
	Made for all direct connectivity	•	•
Fine-tuning channels		20	20

Available in all technology levels

Sound stabilization

- › Pulse Protector 2
- › Wind control
- › Feedback manager

Ease and convenience

- › Hearing Remote app
- › TV Connector
- › Remote Control
- › PartnerMic
- › RogerDirect
- › Wireless synchronization
- › Binaural Phone

Microphone options

- › Adaptive directional
- › Fixed directional
- › Fixed wide directional
- › Omni directional

Fitting

- › First fit approach
- › Automatic Adaptation Manager
- › Frequency compression 2
- › Tinnitus masker
- › Manual programs
- › IntelliVent

Experience innovations

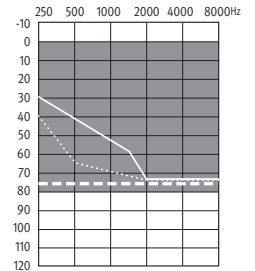
Digital Solutions

- › Tutor
- › Remote adjust
- › Capture All
- › Data logging

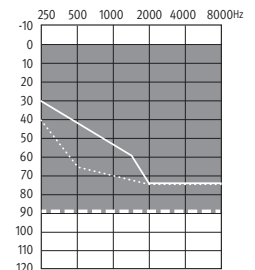
Personalization

- › Clarity and comfort buttons
- › Optional app programs
- › Equalizer

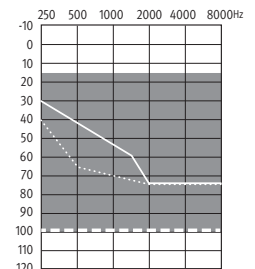
Fitting guides



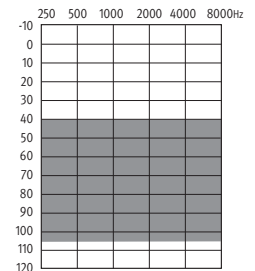
S receiver



M receiver



P receiver



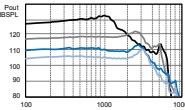
UP receiver

- Open dome/cap dome
- - - Vented dome
- Power dome or sleeve mold

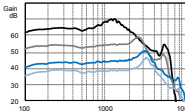
Relate^{4.0} RIC 312 is rated IP 68

Not all technology levels are available in all markets.

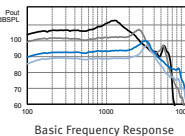
ANSI/ASA 3.22 2014 (R2022)/IEC 60118-0: 2022 2cc coupler technical data



OSPL90				
Maximum (dB SPL)	111	114	122	132
HFA - OSPL90 (dB SPL)	106	111	120	124



Full on gain (input 50 dB SPL)				
Maximum (dB)	47	51	59	71
HFA - FOG (dB)	40	46	56	65



Reference test setting (RTS)				
Frequency range (Hz)	<100 - 8000	<100 - 8000	<100 - 6300	<100 - 6100
Reference test gain (dB)	29	34	43	47
Current drain at RTS (mA)	1.4	1.4	1.5	1.4
Equivalent input noise at RTS (dB SPL)	19	19	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz/3200 Hz (%)	1.5/2.0/2.0/1.0	1.5/2.0/2.0/1.0	1.0/1.5/1.0/1.0	1.5/1.5/1.0/1.0

Legend

- Standard Power
- Moderate Power
- Power
- Ultra Power

General Test Information

Battery size: 312; Source: voltage 1.3 V
The measurements obtained with a closed configuration using an HA-1 coupler (ANSI-3.7-1995).
The hearing instrument set to Aura:fit test settings. LLE is applied at an approximate level of 35 dB SPL.
Domes should never be fit on patients with perforated eardrums, exposed middle ear cavities, or surgically altered ear canals. In the case of such a condition, we recommend use of a customized earmold.
Monaural Latency in a fitted user mode is 6.5 mS according to ANSI 2051: 2017.
We reserve the right to change specification data without notice as improvements are introduced.

WARNING: This hearing instrument has an output sound pressure level that can exceed 132 dB SPL. Special care should be taken when fitting this instrument as there is a risk of impairing the residual hearing of the user.
Changes or modifications to the hearing aid that are not explicitly approved by the manufacturer are not permitted. Such changes may damage the ear or the hearing aid.



Type: PDL

Status: CURRENT

Document No.: PDL-17114

Effective Date: 29-Sep-2023

Rev.: 2

Title: 027-6884-02 Datasheet Relate 4.0_RIC_312_EN

Process: Innovation Management

Owner: 53MWHITEMAN Matthew Whiteman

Attributes

Attribute Type	Value	Description
Affected Site	5300	Kitchener (CA)
Project	uPrince 2/3	
Project Phase	Finished Product	

Approvals

Level	Actor	Job Title	Sign-off Date	Sign-off By
1	Bryan Hynes	Coordinator, Information Control	29-Sep-2023	53BHYNES
2	Paul Robinson	Director, Product Management	29-Sep-2023	53PROBINSON
2	Janette Brookes	Technical Administrator, Information Control	29-Sep-2023	53JBROOKES
2	Harleen Parmar	Analyst, Quality Assurance and Regulatory Systems	29-Sep-2023	53HPARMAR

Revision Notes

Access Activity	Note	Accessed By	Accessed Date
Remark	Update standards title	53MWHITEMAN	29-Sep-2023