

REAL RE-19

Digital Power BTE with ISP™ and Dynamic Integrator™



REAL is the first hearing aid in the basic segment to introduce Integrated Signal Processing™.

REAL RE-19 with unique features including:

Dynamic Integrator™

- Integration and storage of knowledge
- 3 bands/3 channels

Sound analysis

- Speech and noise tracer
- S/N ratio tracer
- Spatial sound tracer
- Spatial feedback tracer

Sound processing

- Enhanced Dynamic Range Compression
- Locator
- Feedback cancelling
- Classic noise reduction

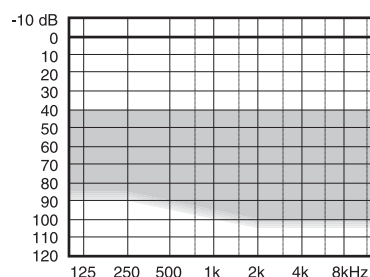
System optimiser

- Battery monitor
- EcoTech II
- Multi-point microphone matching
- DAI auto-detect
- Telecoil

Fitting

- Basic Sensogram

Suggested fitting range

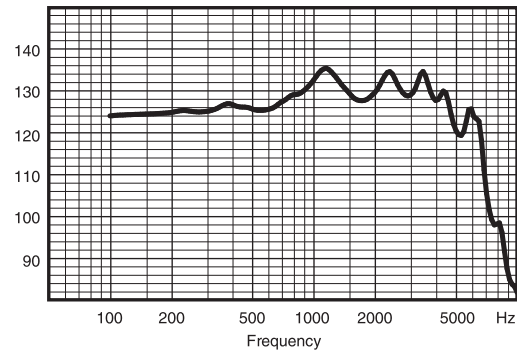


REAL RE-19

Maximum output - Ear simulator

IEC 60118-0

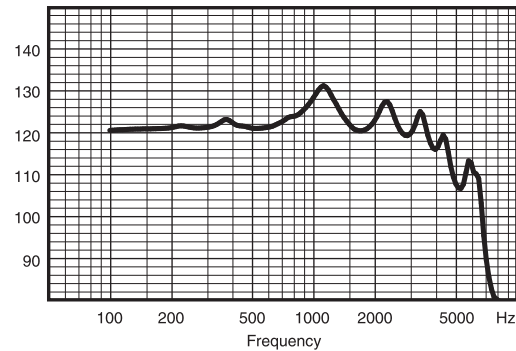
Output dB SPL



Maximum output - 2cc coupler

IEC 60118-7 / ANSI S3.22-2003

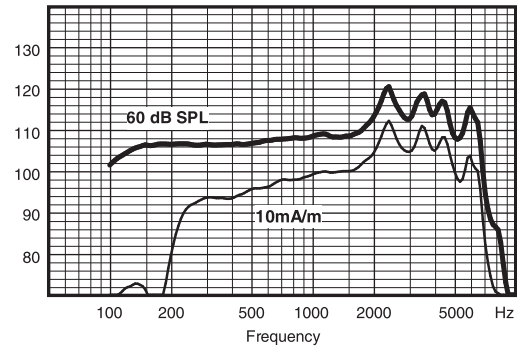
Output dB SPL



Output - Ear simulator

IEC 60118-0

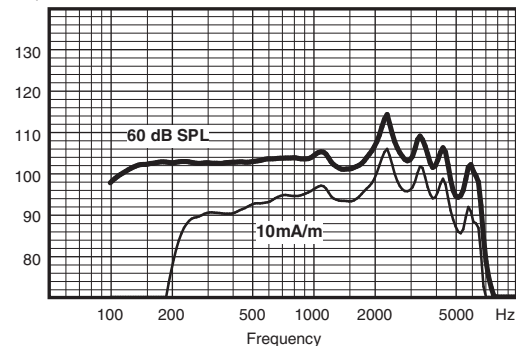
Output dB SPL



Output - 2cc coupler

IEC 60118-7 / ANSI S3.22-2003

Output dB SPL



Technical data Typical data obtained through standard pure tone measurements.
Hearing aid set to Compass Test mode 1, unless stated otherwise.
Measured using a normal hook and standard BTE coupler.

| | | IEC 60118-0 | ANSI S3.22-2003 / IEC 60118-7 |
|--|---------|----------------------|-------------------------------|
| OSPL90 | 2500 Hz | 133 dB SPL | 124 dB SPL |
| | Peak | 136 dB SPL | 131 dB SPL |
| | Average | 129 dB SPL | 124 dB SPL |
| Acoustic output (Input 60 dB SPL) | 2500 Hz | 118 dB SPL | 108 dB SPL |
| | Peak | 121 dB SPL | 115 dB SPL |
| | Average | 110 dB SPL | 105 dB SPL |
| Max gain (Input 50 dB SPL, Compass Max gain test mode) | 2500 Hz | 69 dB | 59 dB |
| | Peak | 75 dB | 70 dB |
| | Average | 65 dB | 59 dB |
| Telecoil output (Input 10 mA/m) | 2500 Hz | 110 dB SPL | 100 dB SPL |
| | Peak | 113 dB SPL | 106 dB SPL |
| | Average | 100 dB SPL | 97 dB SPL |
| Frequency range | | 100 Hz - 7100 Hz | 100 Hz - 6850 Hz |
| Harmonic distortion (Input 70 dB SPL) | 500 Hz | 2.2% | 2.1% |
| | 800 Hz | 0.7% | 0.5% |
| | 1600 Hz | 0.2% | 0.1% |
| Equivalent input noise | | 19 dB SPL | 22 dB SPL |
| Battery drain (stand by) | | 0.7 mA | 0.7 mA |
| Battery drain | | 0.7 mA | 0.75 mA |
| Battery life / hours (Type 13 Zn-Air, 270 mAh) | | 375 (>295) | 370 (>290) |
| Mobile phone immunity | | IRIL: -11/-10 dB SPL | U-rating: M3 / T3 |

