



Super Power BTE Instrument

TECHNICAL INFORMATION



Peak SPL: 137
Peak Gain: 78

Available colors:

- Beige
- Brown
- Gray

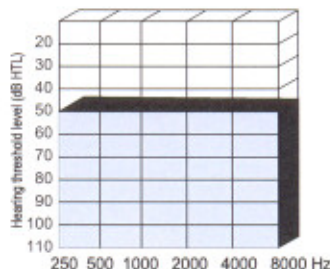
FEATURES

- 100% digital signal processing with high gain capability for maximum clarity and fitting range
- Excellent output performance with low distortion
- Three color coded potentiometers:
 - Low Frequency Tone Control (NH)
 - High Frequency Control (NL)
 - MPO Maximum Output Control (MPO)
- Microphone Noise Reduction
- Direct Audio Input (DAI)
- Three position M-T-O switch
- Locking battery door compartment
- Low battery beep signal
- #675 battery

FITTING APPLICATION

- Moderate to profound hearing losses

PURE TONE AUDIOGRAM



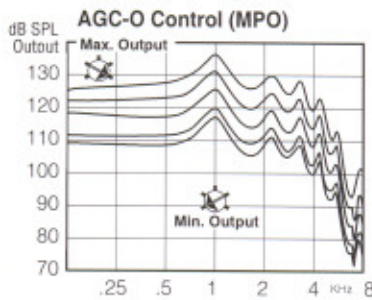
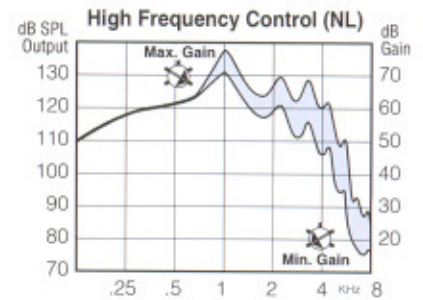
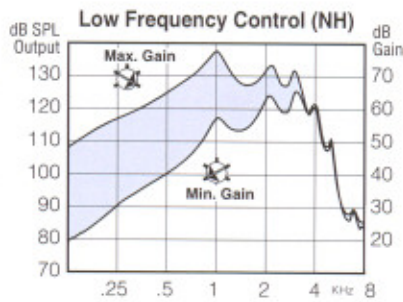
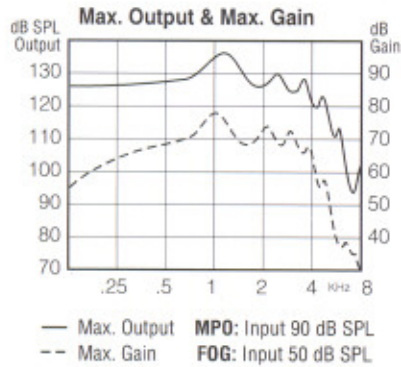
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TECHNICAL INFORMATION - RIO SIERRA SUPER POWER BTE

PERFORMANCE CURVES



PERFORMANCE DATA REFERENCE

| | |
|-----------------------------------|---------------|
| Maximum output | 137 dB |
| HF average SSPL 90 | 129 dB |
| Full on peak gain | 78 dB |
| HF average full on gain | 69 dB |
| Reference test gain | 52 dB |
| Frequency range | 100 - 5000 Hz |
| Harmonic distortion at 500 Hz | 3% |
| 800 Hz | 2% |
| 1600 Hz | 2% |
| Equivalent input noise level Max. | 16 dB |
| Induction coil sensitivity | 112 dB |
| Battery current drain | 1.1 mA |
| Battery life (675) | 430 Hrs. |

Measurement conditions are in accordance with the test procedures of the Acoustic Society of America Standard for Specifications of Hearing Aid Characteristics. (ANSI S3.22-1996). All the above specifications are subject to change without prior notification.



Low Frequency Control (NH)

- Blue potentiometer
- Variable up to 20 dB at 500 Hz



High Frequency Control (NL)

- Green potentiometer
- Variable up to 8 dB at 2100 Hz



AGC-O Control (MPO)

- Red potentiometer
- Variable up to 18 dB at 2100 Hz