



# Super Power BTE Instrument

## TECHNICAL INFORMATION



Peak SPL: 137  
Peak Gain: 78

Available colors:

- Beige
- Brown
- Gray

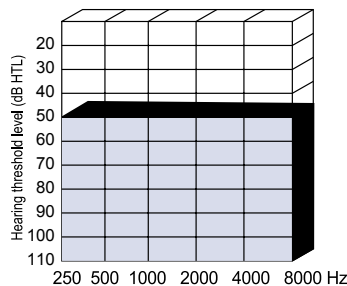
### FEATURES

- 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



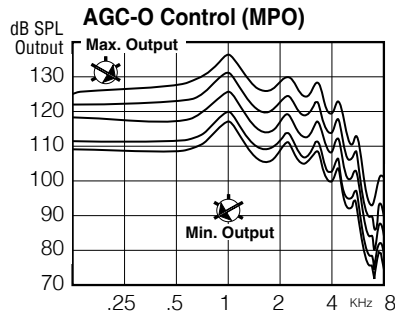
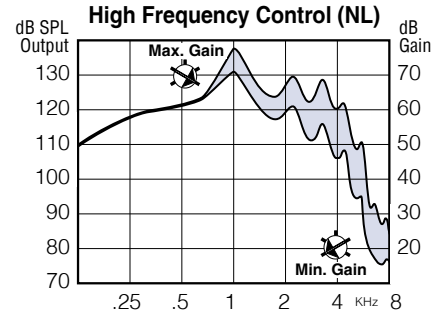
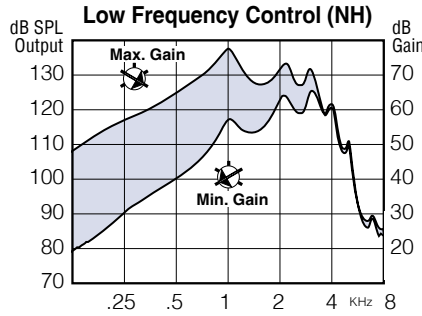
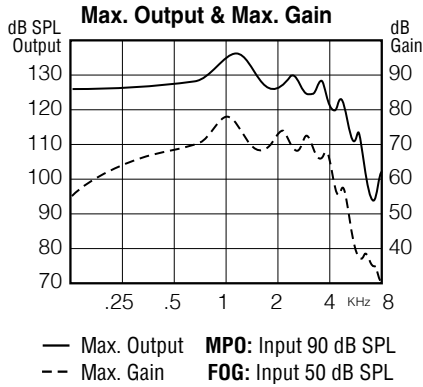
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# TECHNICAL INFORMATION - RIO SIERRA SUPER POWER BTE

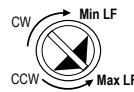
## PERFORMANCE CURVES



## PERFORMANCE DATA REFERENCE

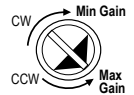
Maximum output	137 dB
HF average SSPL 90	129 dB
Full on peak gain	78 dB
HF average full on gain	69 dB
Reference test gain	52 dB
Frequency range	100 - 5000 Hz
Harmonic distortion at 500 Hz	3%
800 Hz	2%
1600 Hz	2%
Equivalent input noise level Max.	16 dB
Induction coil sensitivity	112 dB
Battery current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



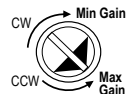
### Low Frequency Control (NH)

- 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