

A675 TSP

Maximum Power BTE with dual receiver for severe to Profound hearing losses

Feature Summary:

Powerful dual receiver

Cross differential output drive amplification offers more gain and output before feedback

For severe to profound hearing losses

Long lasting 675 battery

4 trimmers for gain, output, low tone, and high tone

High performance telecoil

CROS/BiCROS available

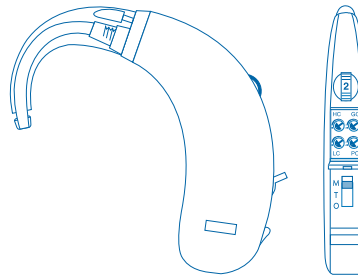
Audio input standard

Dispenser replaceable color skins

size 1.81" x .64" x .37"
46 x 9 x 16 mm

weight .22 oz. / 6 gm

power source 1.4 V type 675



Electrical and Acoustic data

	ANSI S 3.22 1987	IEC 118-O 1983 RTF = 1600Hz
Peak SSPL90 (dB)	142	144
HFA SSPL90 (dB)	130-138	136
Peak Gain (dB)	81	84
HFA Full On Gain (dB)	70-80	74
Harmonic Distortion		
500 Hz	<10%	<3%
800 Hz	<8%	<3%
1600 Hz	<6%	<3%
Reference Test Gain R.T.G.	57 dB	
Induction Coil Sensitivity dB	119-131	110
Equivalent Input Noise	≤29 dB	≤25 dB
Battery Current (mA)	0.7	
ANSI	11	4.5
Frequency Range Hz	200-4500	200-4500z
Power Source	1.4 V Type 675	



TECHNICAL SPECIFICATIONS

A675 TSP

Potentiometer Operation

The potentiometers are located behind a protective panel below the volume control.



High Cut Control (HC)

The "HC" control reduces the high frequency amplification. It is set at "counterclockwise" at the factory. Rotation "clockwise" will reduce high frequencies. If acoustic feedback is a problem, reducing the highs should reduce feedback.

Gain Control (GC)

The "GC" control reduces the overall gain of the instrument. It is set "counterclockwise" at the factory. Rotation fully "clockwise" will reduce the gain by up to 20 dB.

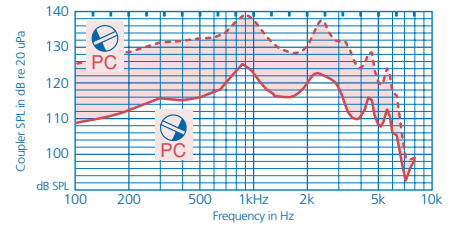
Low-Cut Control (LC)

The "LC" control reduces the high frequency amplification. It is set at "counterclockwise" at the factory. Rotation "clockwise" will reduce low frequency gain.

Power Control (PC)

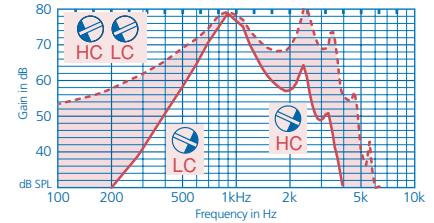
The "PC" control reduces the instrument's output. It is set at "counterclockwise" at the factory. Rotation "clockwise" will reduce the SSPL in order not to exceed the user's uncomfortable level..

input 90 dB SPL
 GC: CCW
 HC: CCW
 LC: CCW
 PC = CCW (dotted line)
 PC = CW (solid line)
 volume control FULL ON



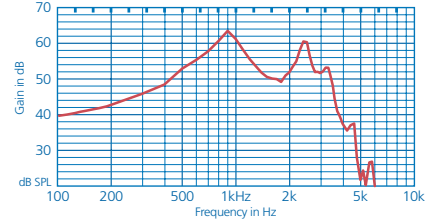
SSPL 90 and PC Control rotation

input 50 dB SPL
 GC: CCW
 PC: CCW
 HC, LC = CCW (dotted line)
 HC, LC = CW (solid line)
 volume control FULL ON



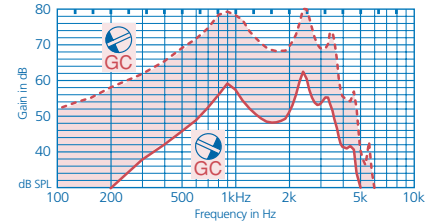
Full on Gain effect of Low and High Cut controls

input 60 dB SPL
 GC: CCW
 PC: CCW
 HC: CCW
 LC: CCW
 volume control REFERENCE TEST GAIN POSITION



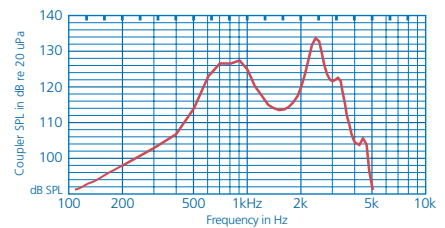
Frequency Response

input 50 dB SPL
 PC: CCW
 HC: CCW
 LC: CCW
 GC = CCW (dotted line)
 GC = CW (solid line)
 volume control FULL ON

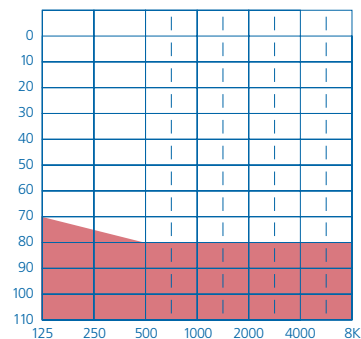


Full On Gain and effect of Gain Control

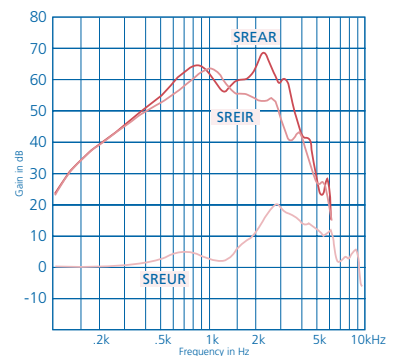
random noise input
 60 dB SPL @ 0° incidence
 VC @ RTG
 SREAR (solid line)
 SREIR (dotted line)
 SREUR (dashed line)



Telecoil Response



Suggested Fitting range



Simulated Real Ear on Kemer

