Specification Guide

Trek 80 | 40 BTE SP & BTE UP

Trek BTE Super Power (SP) and Ultra Power (UP) are the most powerful hearing aids built on the Sonic SoundDNA platform. They are designed for users with severe to profound hearing losses and are available in two performance levels.

Trek includes 2.4 GHz Bluetooth® Low Energy and NFMI wireless technology, a telecoil, a double push button for volume control, and a single push button for program changes. Trek is IP68-rated and comes with an undamped earhook.

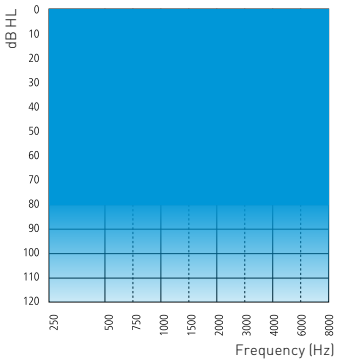
Super Power

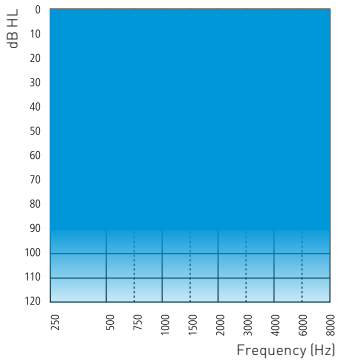
TK 80|40 BTE SP

Ultra Power

TK 80|40 BTE UP

Made for iPhone | iPad | iPod





Technical features

- 2.4 GHz Bluetooth® Low Energy
- NFMI (near-field magnetic induction)
- 13 size battery for BTE SP
- 675 size battery for BTE UP
- Double push button and single push button
- Multicolor LED indicator
- Telecoil
- Hydrophobic coating
- IP68 rated

Accessories & options

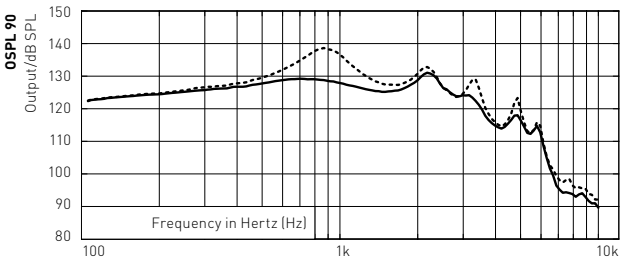
- SoundLink 2 app (for iOS and Android™)
- RC-A (remote control)
- TV-A (TV adapter)
- FittingLINK 3.0 (wireless programming interface)
- SoundClip-A
- Direct Audio Input (DAI) adapter 1000
- FM adapter 10
- Tamper-resistant battery drawer
- Damping element

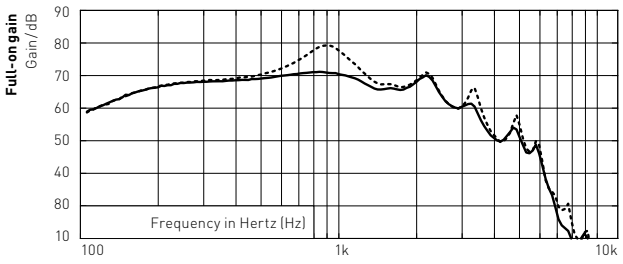
Trek is a Made for iPhone®, iPad®, iPod® hearing aid, compatible with devices running iOS 11.0 or later. For information on compatibility, please visit www.sonici.global/compatibility.

Trek 80|40 BTE SP

— **Earhook damped**
····· **Earhook undamped**

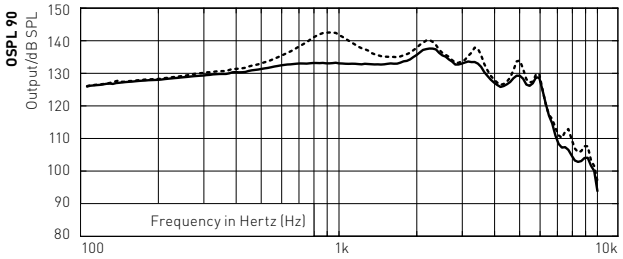
2cc coupler

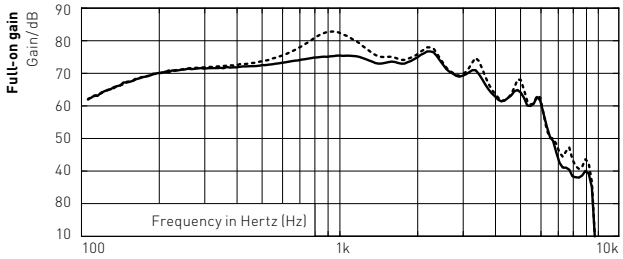




	Earhook damped	Earhook undamped
OSPL90, peak (dB SPL)	131	139*
OSPL90, 1600 Hz (dB SPL)	125	127
OSPL90, HFA (dB SPL)	127	130
Full-on gain, peak (dB)	71	79
Full-on gain, 1600 Hz (dB)	66	67
Full-on gain, HFA (dB)	67	70
Reference test gain (dB)	50	53
Quiescent current (mA)	1.4	1.4
Operating current (mA)	2.2	2.5
Distortion 500/800/1600 Hz (%)	<2/3/<2	4/<2/<2
Frequency range (Hz)	100-6300	100-6100
Equivalent input noise[1] dB(A)	18	19
Telecoil 1 mA/m 1000 Hz, IEC (dB SPL)	105	110
Telecoil HFA SPLITS (dB SPL)	111	115

Ear simulator





	Earhook damped	Earhook undamped
OSPL90, peak (dB SPL)	138*	143*
OSPL90, 1600 Hz (dB SPL)	133*	135*
OSPL90, HFA (dB SPL)	134*	138*
Full-on gain, peak (dB)	77	83
Full-on gain, 1600 Hz (dB)	74	75
Full-on gain, HFA (dB)	74	77
Reference test gain (dB)	58	61
Quiescent current (mA)	1.4	1.4
Operating current (mA)	1.6	1.6
Battery size	13	13
Distortion 500/800/1600 Hz (%)	<2/4/3	4/<2/<2
Frequency range (Hz)	100-6700	100-6500
Equivalent input noise[1] dB(A)	17	18
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	107	109

[1] Technical data measured with expansion, corresponding to the test box measurement settings.

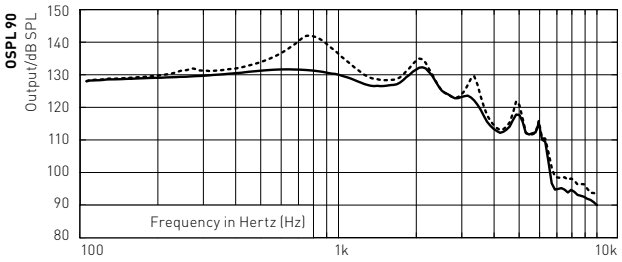
"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010.
Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.

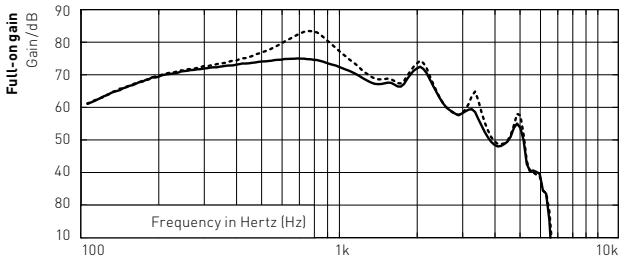
Full-on gain is measured with the gain control of the hearing aid set to its full-on position minus 20 dB and with an input SPL of 70 dB.
This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.

* Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

— Earhook damped
····· Earhook undamped

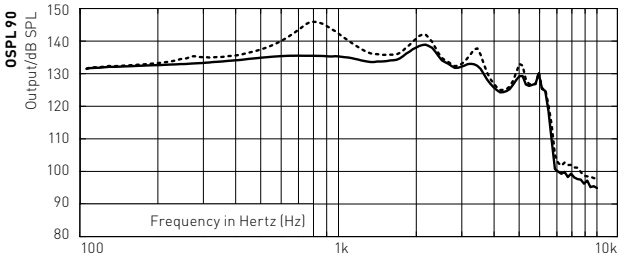
2cc coupler

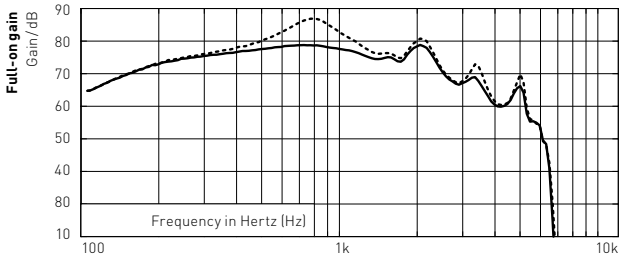




	Earhook damped	Earhook undamped
OSPL90, peak (dB SPL)	132	142*
OSPL90, 1600 Hz (dB SPL)	127	128
OSPL90, HFA (dB SPL)	127	130
Full-on gain, peak (dB)	75	83
Full-on gain, 1600 Hz (dB)	68	69
Full-on gain, HFA (dB)	67	69
Reference test gain (dB)	51	53
Quiescent current (mA)	1,5	1,5
Operating current (mA)	3,6	4,1
Distortion 500/800/1600 Hz (%)	4/4/<2	9/<2/3
Frequency range (Hz)	100-5300	100-5300
Equivalent input noise[1] dB(A)	21	23
Telecoil 1 mA/m 1000 Hz, IEC (dB SPL)	106	110
Telecoil HFA SPLITS (dB SPL)	112	112

Ear simulator





	Earhook damped	Earhook undamped
OSPL90, peak (dB SPL)	139*	146*
OSPL90, 1600 Hz (dB SPL)	134*	136*
OSPL90, HFA (dB SPL)	134*	138*
Full-on gain, peak (dB)	79	87
Full-on gain, 1600 Hz (dB)	75	76
Full-on gain, HFA (dB)	74	77
Reference test gain (dB)	59	61
Quiescent current (mA)	1,5	1,5
Operating current (mA)	1,8	1,8
Battery size	675	675
Distortion 500/800/1600 Hz (%)	4/6/4	11/<2/3
Frequency range (Hz)	100-6000	100-6000
Equivalent input noise[1] dB(A)	17	19
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	108	111

[1] Technical data measured with expansion, corresponding to the test box measurement settings.

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Feature overview

	Trek 80	Trek 40
Sound quality		
Signal Processing	Speech Variable Processing	
SmartCompress	6 options	–
Frequency bandwidth*	10 kHz	10 kHz
Phoneme Focus	●	●
Envelope Focus	●	●
Extended Dynamic Range	●	–
Low Frequency Enhancement	●	●
Frequency Transfer	●	●
Adaptive Feedback Canceller Pro	●	●
Noise management		
SPiN Noise Reduction	4 options	●
SPiN Engage	3 options	–
Wind Noise Reduction	●	●
Soft Noise Reduction	●	●
Impulse Noise Reduction	3 options	●
VC Step Size	●	●
Directionality		
SPiN Directionality	Medium	Low
Fixed Directionality	●	●
Omni Directionality	●	●
Binaural coordination		
Volume and program change	●	●
Binaural Noise Management	●	–
Non-Telephone Ear Control	●	●
Programming options		
Universal Program	●	●
Fitting bands	14	10
Environments	13	10
Manual listening programs	4	4
SmartMusic Program	●	–
Data Logging	●	●
Adaptation Manager	●	●
Tinnitus SoundSupport	●	●

* Highest processed audio frequency

TREK BTE SP & BTE UP can be programmed with EXPRESS*fit*® Pro 2019.2 or higher

Operating conditions
· Temperature: +1 °C to +40 °C (+34 °F to +104 °F)
· Humidity: 5 % to 93 %, non-condensing

Storage and transportation conditions
Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage:
· Temperature: –25 °C to +60 °C (–13 °F to +140 °F)
· Humidity: 5 % to 93 %, non-condensing

Sonic Innovations, Inc.
2501 Cottontail Lane
Somerset, NJ 08873 USA
+1 888 423 7834

EC REP

Sonic AG
Morgenstrasse 131B
3018 Bern, Switzerland
+41 31 560 21 21