PHILIPS

HearLink

Technical data
HearLink 9050 | 7050 | 5050 | 3050
miniBTE T 85

Philips HearLink 50 miniBTE T 85 is for users with slight to severe hearing loss featuring a disposable battery, damped hook, thin tubes, and various domes and moulds. SoundMap 3 includes advanced audiological features.

It includes Bluetooth® LE Audio, Bluetooth Low Energy, and Auracast™ broadcast and supports hands-free communication and direct streaming for iPhone, iPad, Vision Pro, Apple Watch, Mac and select Android™ devices.

Hook	Thin tube 1.3 mm	Thin tube 0.9 mm
		
MNB T 85	MNB T 85	MNB T 85

Technical Features

- Auracast™ broadcast
- Bluetooth® LE Audio
- Bluetooth® Low Energy
- Fast Pair
- Telecoil
- NFMI (Near-Field Magnetic Induction)
- Single push-button
- IP68 rated

Accessories

- Philips HearLink 2 app
- Philips AudioClip
- Philips TV Adapter
- Philips Remote Control
- Hook and thin tube
- Size 312 zinc air battery

For information on compatibility, please visit hearingsolutions.philips.com/compatibility.
This hearing aid also comes as DemoFlex with the same technical data.

Operating conditions
Temperature: +1°C to +40°C (+34°F to +104°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Transportation and storage conditions
Temperature and humidity shall not exceed the mentioned limits during transportation and storage.

Transportation
Temperature: -25°C to +60°C (-13°F to +140°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Storage
Temperature: -25°C to +60°C (-13°F to +140°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

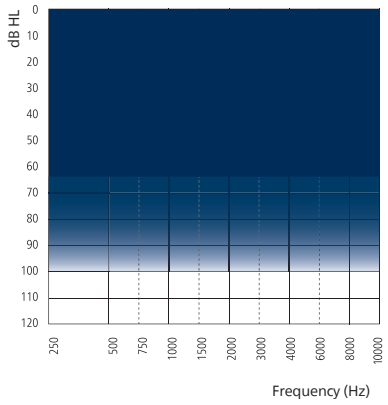
WARNING: No modification of this equipment is allowed.

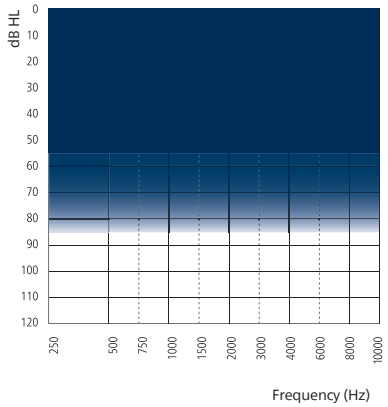
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Made for iPhone | iPad · Mac · Works with android · AURACAST A BLUETOOTH® TECHNOLOGY

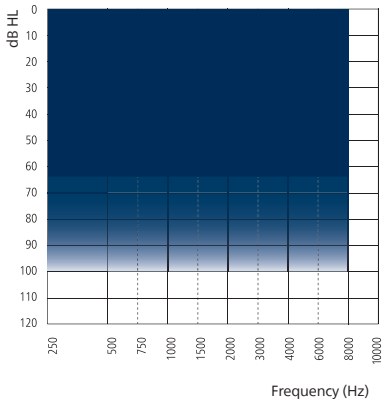
Fitting ranges

Philips HearLink 9050



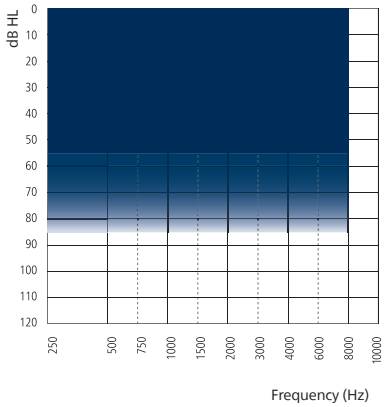


Philips HearLink 7050 | 5050 | 3050



85

Hook



85

Thin tube

Feature overview

	HearLink 9050	HearLink 7050	HearLink 5050	HearLink 3050
SoundMap 3 Amplification				
Frequency Bandwidth	10 kHz	8 kHz	8 kHz	8 kHz
Extended Dynamic Range	•	•	—	—
Low Frequency Enhancement	•	•	•	•
Frequency Lowering	•	•	•	•
Comfort Control	4 options	2 options	—	—
Noise reduction				
AI Noise Reduction	5 options	4 options	3 options	2 options
Speech Clarifier	3 options	2 options	—	—
Transition	4 options	3 options	2 options	1 option
SoundProtect Transient Noise Reduction	6 options	5 options	4 options	2 options
SoundProtect Wind Noise Management	•	•	•	•
Soft Noise Management	•	•	•	•
Binaural Noise Management	•	•	•	—
Directionality				
Dynamic Directionality	•	•	•	—
Pinna Mode	2 options	2 options	•	•
Adaptive/Fixed/Omni Directionality	•	•	•	•
Feedback canceller				
Strength control	•	•	•	•
SoundTie 4 with Bluetooth® LE Audio, Auracast™ broadcast, MFi and ASHA				
Direct Streaming[1]	•	•	•	•
Hands-free communication[1]	•	•	•	•
Binaural coordination (NFMI)				
Binaural Volume and Program Change	•	•	•	•
Programming options				
Fitting Bands	24	20	18	14
Environments	13	11	11	9
Manual Listening Programs	4	4	4	4
HiFi Music Program	•	•	•	•
Airplane Program	•	—	—	—
Data Logging and Connection Count	•	•	•	•
Audible Indicators & Notify Me	•	•	•	•
Adaptation Manager	•	•	•	•
CROS compatibility	•	•	•	•
Tinnitus SoundSupport	•	•	•	•

1) Available on select devices. For more information, please visit hearingsolutions.philips.com/compatibility

HearLink 9050 miniBTE T 85

Ear Simulator

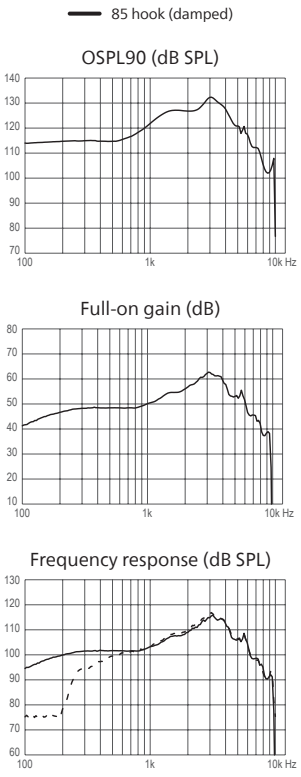
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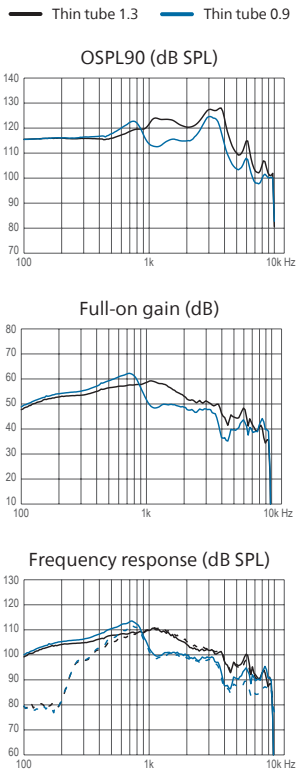


Technical information
Omnidirectional mode is used unless otherwise stated.

85 hook (damped) / Thin tube 1.3
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

Thin tube 0.9
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m





	85 hook (damped)	Thin tube 1.3	Thin tube 0.9
OSPL90, Peak (dB SPL)	132	128	125
OSPL90, 1600 Hz (dB SPL)	127	123	116
OSPL90, HFA (dB SPL)	126	122	116
Full-on gain, Peak (dB)[1]	63	59	62
Full-on gain, 1600 Hz (dB)[1]	55	56	50
Full-on gain, HFA (dB)[1]	55	55	49
Reference test gain (dB)	48	47	41
Frequency range (Hz)	<100-9500	<100-8800	<100-9500
Telecoil output, 1 mA/m field (1600 Hz) (dB SPL)	86	88	80
Telecoil output, 10 mA/m field (1600 Hz) (dB SPL)	106	108	100
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<4	<7	<3
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<4	<2	<2
Total harmonic distortion (Input 70 dB SPL), 1600 Hz (%)	<2	<3	<4
Equivalent input noise level, Omni (dB SPL)	18	15	22
Battery consumption, Typical (mA)[2]	2.0	2.0	2.0
Battery consumption, Quiescent (mA)[2]	1.9	1.9	1.9
Battery life, artificial measurement, hours[3]	90	90	90
Expected battery life, hours (battery size 312 - IEC PR41)[4]	55-60	55-60	55-60

1) Measured with the gain control of the hearing aids set to their 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 but without influence of feedback.
2) Battery current is measured after a settling time of minimum 3 minutes.
3) Based on the standardised battery consumption measurement. The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.
4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).

HearLink 9050 miniBTE T 85

2CC Coupler

Measured according to ANSI S3.22-2024,
IEC 60118-0:2022 and IEC 60318-5:2006



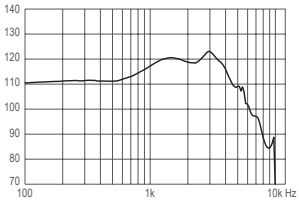
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85 hook (damped) / Thin tube 1.3
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

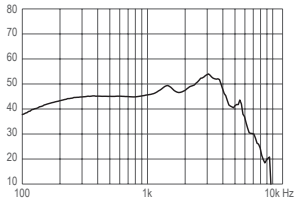
Thin tube 0.9
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

85 hook (damped)

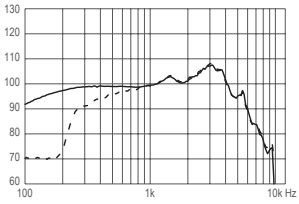
OSPL90 (dB SPL)



Full-on gain (dB)

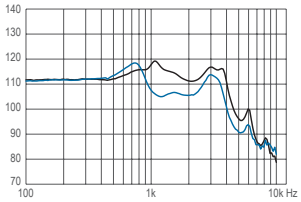


Frequency response (dB SPL)

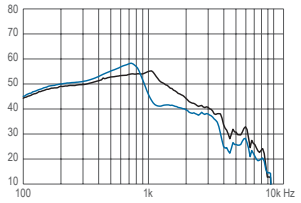


Thin tube 1.3 Thin tube 0.9

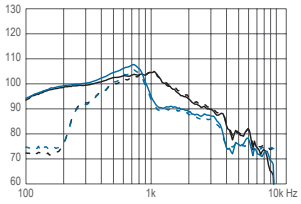
OSPL90 (dB SPL)



Full-on gain (dB)



Frequency response (dB SPL)



	85 hook (damped)	Thin tube 1.3	Thin tube 0.9
OSPL90, Peak (dB SPL)	123	119	118
OSPL90, HFA (dB SPL)	119	115	108
Full-on gain, Peak (dB)[1]	54	55	58
Full-on gain, HFA (dB)[1]	48	48	42
Reference test gain (dB)	42	37	31
Frequency range (Hz)	<100-7300	<100-6300	<100-6800
Telecoil output, HFA SPLITS L/R (dB SPL)	100	97	90
Telecoil output, Full-on HFA-SPLIV (dB SPL)	98	99	91
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<4	<6	<2
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<3	<2	<2
Total harmonic distortion (Input 65 dB SPL), 1600 Hz (%)	<2	<2	<2
Total harmonic distortion (Input 60 dB SPL), 3200 Hz (%)	<2	<2	<2
Equivalent input noise level, Omni (dB SPL)	17	19	26
Battery consumption, Typical (mA)[2]	2.0	2.0	2.0
Battery consumption, Quiescent (mA)[2]	1.9	1.9	1.9
Battery life, artificial measurement, hours[3]	90	90	90
Latency, (ms)	8.35	8.35	8.35
Expected battery life, hours (battery size 312 - IEC PR41)[4]	55-60	55-60	55-60

1) Measured with the gain control of the hearing aids set to their 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 but without influence of feedback.
2) Battery current is measured after a settling time of minimum 3 minutes.
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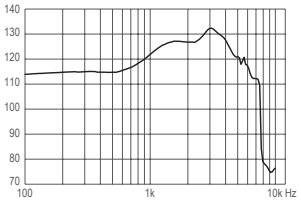
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Magnetic input: 31.6 mA/m

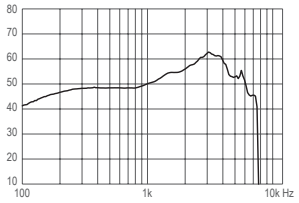
Thin tube 0.9
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

85 hook (damped)

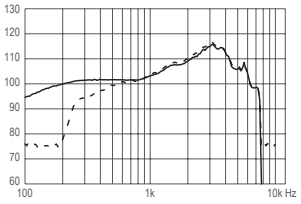
OSPL90 (dB SPL)



Full-on gain (dB)

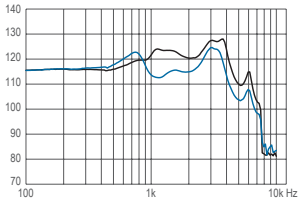


Frequency response (dB SPL)

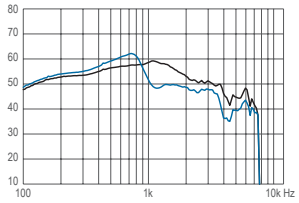


Thin tube 1.3 Thin tube 0.9

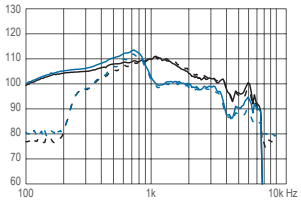
OSPL90 (dB SPL)



Full-on gain (dB)



Frequency response (dB SPL)



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Telecoil output, 10 mA/m field (1600 Hz) (dB SPL)	106	108	100
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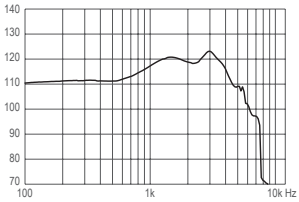
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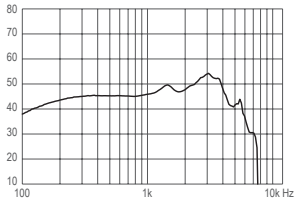
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85 hook (damped)

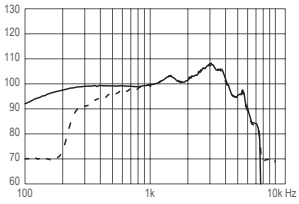
OSPL90 (dB SPL)



Full-on gain (dB)

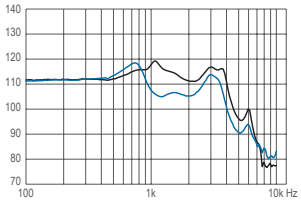


Frequency response (dB SPL)

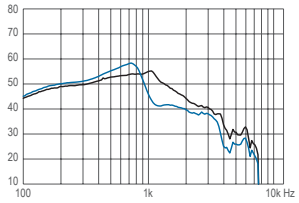


Thin tube 1.3 Thin tube 0.9

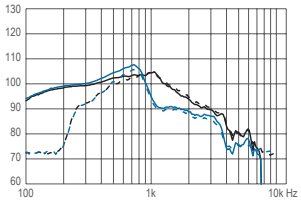
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Full-on gain (dB)



Frequency response (dB SPL)



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Reference test gain (dB)	42	37	31
Frequency range (Hz)	<100-7300	<100-6300	<100-6800
Telecoil output, HFA SPLITS L/R (dB SPL)	100	97	90
Telecoil output, Full-on HFA-SPLIV (dB SPL)	98	99	91
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<4	<6	<2
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<3	<2	<2
Total harmonic distortion (Input 65 dB SPL), 1600 Hz (%)	<2	<2	<2
Total harmonic distortion (Input 60 dB SPL), 3200 Hz (%)	<2	<2	<2
Equivalent input noise level, Omni (dB SPL)	17	19	26
Battery consumption, Typical (mA)[2]	2.0	2.0	2.0
Battery consumption, Quiescent (mA)[2]	1.9	1.9	1.9
Battery life, artificial measurement, hours[3]	90	90	90
Latency, (ms)	8.35	8.35	8.35
Expected battery life, hours (battery size 312 - IEC PR41)[4]	55-60	55-60	55-60

1) Measured with the gain control of the hearing aids set to their 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 but without influence of feedback.
2) Battery current is measured after a settling time of minimum 3 minutes.
3) Based on the standardised battery consumption measurement. The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.
4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).

SBO Hearing A/S
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Denmark

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hearingsolutions.philips.com

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