PHILIPS

HearLink

İŞBU BELGE ASLINDAN FOTOKOPİ FAX METNİNDEN
TARAFIMDAN İNGİLİZCE'DEN TÜRKÇE'YE ÇEVRİLMİŞTİR
EMRAH BÜKE YEMİNLİ MÜTERCİM

MEDİKOZ TERCÜME
www.medikozceviri.com
0312 911 1 363

# Teknik Özellik Kılavuzu

# HearLink 9030 | 7030 | 5030 | 3030 | 2030 MNB T

**HearLink miniBTE T, Philips HearLink ailesinin hafif dereceden, orta ileri dereceye kadar işitme kayıplarına uygun olan kulak arkası bir işitme cihazıdır.** AI ses teknolojisiyle desteklenen HearLink miniBTE T, SoundMap 2'deki en gelişmiş odyolojik özelliklerimizi içerir. Güncellenmiş Bluetooth® Low Energy (BLE) sayesinde, doğrudan iOS (iPhone®, iPad®, iPod®) ve AndroidTM cihazlarına bağlanır. miniBTE T, çeşitli kubbeler ve kişiye özel kalıplar içeren miniFit ince hortum sistemi ile birlikte sunulur.

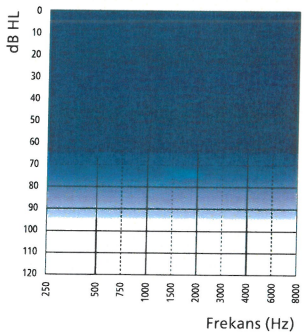
## Boynuz

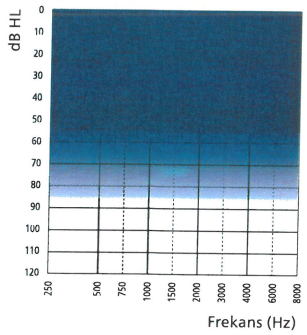

## minifit 0.9 mm


9030 | 7030 | 5030 | 3030 | 2030 MNB T
(HEB9033, HEB7033, HEB5033, HEB3033, HEB2033)

Made for iPhone | iPad | iPod

Works with android




## Teknik Özellikler

- Doğrudan ses akışı (iOS ve Android™ cihazlarla uyumlu)
- Hands free iletişim**
- 2.4 GHz Bluetooth® Low Energy
- NFMI (yakın alan manyetik indüksiyonu)
- Çift Program Düğmesi
- Telecoil
- miniFit ince hortum
- Hidrofobik kaplama
- IP68 onaylı
- LED görsel gösterge

## Genel özellikler

- Dijital Programlanabilir
- Otomatik veya Manuel Ses Seviyesi Kontrolü
- Maksimum Çıkış Kontrol Sistemi
- MPO-Maksimum Güç Çıkışı
- GC-Kazanç Kontrolü
- AGC-Otomatik Kazanç Kontrolü
- Gürültü Azaltma
- FeedbackYönetimi
- Çift Mikrofon
- FM uyumlu (Telecoil ile)
- 4 Program
- 64 Kanala kadar*

## Aksesuarlar

- Philips HearLink app (iOS ve Android™ cihazlarla uyumlu)
- Philips HearLink Connect app ( iOS ve Android™ cihazlarla uyumlu)
- Philips Uzaktan Kumanda
- Philips TV Adaptörü
- Philips AudioClip
- Noahlink Wireless (kablosuz programlama arayüzü)

Daha fazla bilgi ve destek için lütfen hearingsolutions.philips.com adresine başvurun.
* HearLink 9030: 64 kanal, HearLink 7030&5030&3030&2030: 48 kanal
**Seçili iPhone modelleri ile FW 1.3 sürümünden itibaren sunulur.

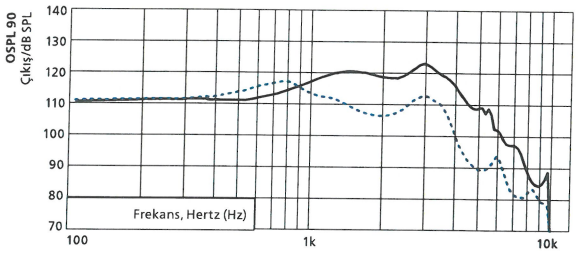
Philips HearLink, Made for iPhone®, iPad®, iPod® işitme cihazıdır.Android cihazlar için doğrudan ses akışı, Android 10 veya üstü, Bluetooth® 5.0 ve Android cihazda İşitme Cihazları için Ses Akışı (ASHA) uyumunu gerektirir. Uyumluluk hakkında bilgi için lütfen hearingsolutions.philips.com/compatibility adresini ziyaret edin.

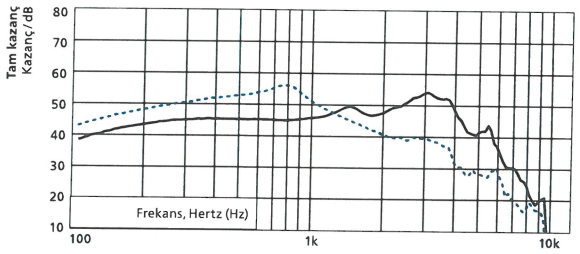
# HearLink 9030

HER9033, MNB T

— Boynuz ··· 0.9 İnce hortum

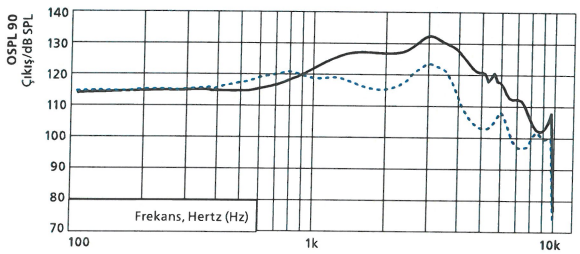
## 2CC Coupler

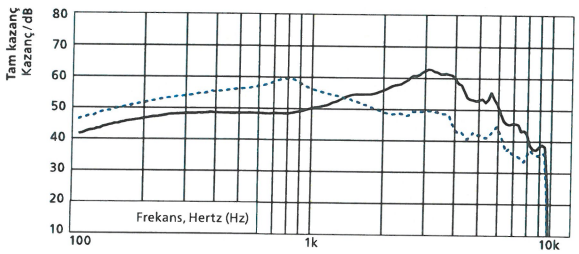



| | BOYNUZ | 0.9 İNCE HORTUM |
|---|---|---|
| OSPL90, Maks. (dB SPL) | 123 | 117 |
| OSPL90, 1600 Hz (dB SPL) | 120 | 108 |
| OSPL90, HFA (dB SPL) | 119 | 110 |
| Tam Kazanç, Maks. (dB) | 54 | 56 |
| Tam Kazanç, 1600 Hz (dB) | 48 | 44 |
| Tam Kazanç, HFA (dB) | 48 | 44 |
| Referans Test Kazancı (dB) | 42 | 34 |
| Durağan Akım (mA) | 1,9 | 1,9 |
| Çalışma Akımı (mA) | 2,0 | 2,0 |
| Pil Numarası | 312 | 312 |
| Bozulma 500/800/1600 Hz (%) | <4/<3/<2 | <2/<2/<2 |
| Frekans Aralığı (Hz) | 100-7300 | 100-6800 |
| Eşdeğer Giriş Gürültüsü[1] (dB SPL) | 17 | 21 |
| Telecoil 1 mA/m 1000 Hz, ANSI (dB SPL) | 79 | 84 |
| Telecoil HFA SPLITS (dB SPL) | 100 | 91 |

## Kulak Simülatörü

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| Durağan Akım (mA) | 1,9 | 1,9 |
| Çalışma Akımı (mA) | 1,9 | 2,0 |
| Pil Numarası | 312 | 312 |
| Bozulma 500/800/1600 Hz (%) | <4/<4/<2 | <3/<2/<3 |
| Frekans Aralığı (Hz) | 100-9500 | 100-9500 |
| Eşdeğer Giriş Gürültüsü[1] (dB SPL) | 18 | 19 |
| Telecoil 1 mA/m 1600 Hz, IEC (dB SPL) | 86 | 87 |

[1] Test kutusu ölçüm ayarlarına göre, teknik veriler geniş kapsamda ölçülmüştür.

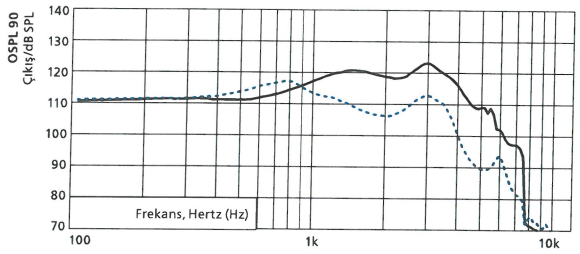
IEC 60318-5:2006 'ya uygun bir "2cc" coupler'e göredir. "Kulak simülatörü", IEC 60318-4:2010'a uygun bir coupler'e göredir.
Uygulanan versiyonlar: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.
Tam kazanç, işitme cihazlarının kazanç kontrol ayarının tamamen açık olduğu durumdan eksi 20 dB ayarına göre ve 70 dB'lik bir SPL girdisiyle ölçülmüştür.
Bu, ör. IEC 60118-0+A1:1994'ten, feedback etkisi olmadan tam kazanca eşdeğer bir kazanç tepkisi elde etmek içindir.

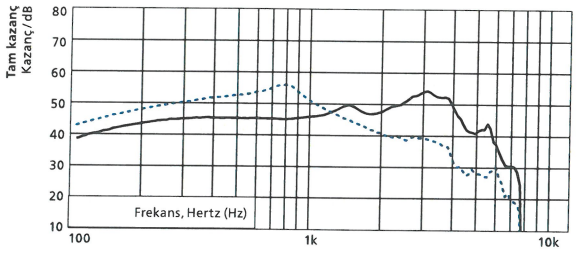
# HearLink 7030 | 5030 | 3030 | 2030

HEB7033, HEB5033, HEB3033, HEB2033 MNB T

— Boynuz ··· 0.9 İnce hortum

## 2CC Coupler

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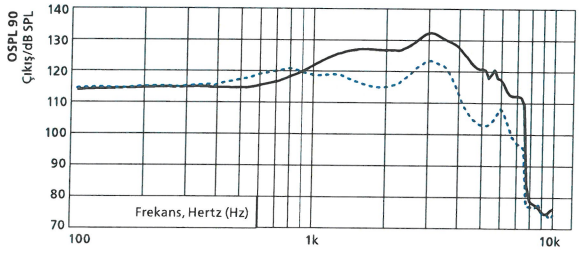


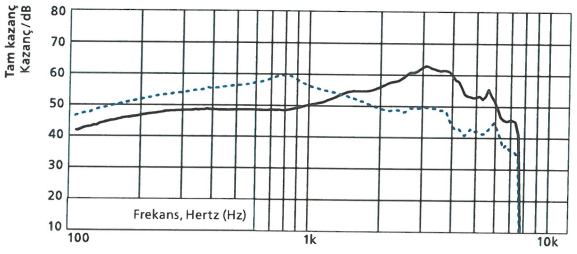


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# Özelliklere genel bakış

| | HearLink 9030 | HearLink 7030 | HearLink 5030 | HearLink 3030 | HearLink 2030 |
|---|---|---|---|---|---|
| **SoundMap 2** | | | | | |
| **Amplifikasyon** | | | | | |
| Frekans bant genişliği | 10 kHz | 8 kHz | 8 kHz | 8 kHz | 8 kHz |
| Genişletilmiş Dinamik Aralık | ● | ● | – | – | – |
| Düşük Frekans Netleştirmesi | ● | ● | ● | ● | ● |
| Frequency Lowering | ● | ● | ● | ● | ● |
| Konfor Kontrolü | 4 seçenek | 2 seçenek | – | – | – |
| **Gürültü Kontrolü** | | | | | |
| Konuşma Netleştirici | 3 seçenek | 2 seçenek | – | – | – |
| Geçiş | 4 seçenek | 3 seçenek | 2 seçenek | ● | ● |
| Direksiyonalite | | | | | |
| Pinna | 2 seçenek | 2 seçenek | ● | ● | ● |
| Sabit Yönlü | ● | ● | ● | ● | ● |
| Adaptif Direksiyonalite | ● | ● | ● | ● | ● |
| Dinamik Direksiyonalite | 3 seçenek | 2 seçenek | ● | ● | – |
| AI Gürültü Azaltma | | | | | |
| Gürültü Azaltma Modu | 4 seçenek | 4 seçenek | 3 seçenek | 3 seçenek | 2 seçenek |
| Spesifik Gürültü Yönetimi | | | | | |
| Yumuşak Gürültü Yönetimi | ● | ● | ● | ● | ● |
| Rüzgar Gürültüsü Yönetimi | ● | ● | ● | ● | ● |
| Geçici Gürültü Azaltma | 4 seçenek | 3 seçenek | 3 seçenek | 2 seçenek | – |
| Çift Taraflı Gürültü Yönetimi | ● | ● | – | – | – |
| **Feedback Canceller** | | | | | |
| Güç Kontrolü | ● | ● | ● | ● | ● |
| **SoundTie 2** | | | | | |
| iOS ve Android doğrudan akış | ● | ● | ● | ● | ● |
| iOS için Hands-free iletişim | ● | ● | ● | ● | ● |
| **Binaural koordinasyon** | | | | | |
| NFMI | ● | ● | ● | ● | ● |
| Binaural Ses ve Program Değişimi | ● | ● | ● | ● | ● |
| Telefonsuz Kulak Kontrolü | ● | ● | ● | ● | ● |
| **Programlama seçenekleri** | | | | | |
| Genel | ● | ● | ● | ● | ● |
| Uygulama Bantları | 24 | 20 | 18 | 14 | 12 |
| Ortamlar | 13 | 12 | 12 | 10 | 8 |
| Manuel dinleme programları | 4 | 4 | 4 | 4 | 4 |
| HiFi Music | ● | ● | ● | ● | – |
| Uçak | ● | – | – | – | – |
| Veri Kaydı | ● | ● | ● | ● | ● |
| Adaptasyon Yöneticisi | ● | ● | ● | ● | ● |
| CROS uyumluluk | ● | ● | ● | ● | ● |

**HearLink 9030|7030|5030|3030|2030 MNB T cihazları HearSuite 2022.1.0 veya üzeri ile programlanabilir**

**Çalıştırma koşulları**
Sıcaklık: +1 °C ile +40 °C (34°F ile 104°F)
Nem: %5 ile %93, yoğunlaşmamış
Atmosfer basıncı: 700 hPa ile 1060 hPa

**Saklama ve taşıma koşulları**
Sıcaklık ve nem, uzun süreli taşıma ve saklama sırasında aşağıdaki sınırları aşmamalıdır

**Taşıma:**
Sıcaklık: -25 °C ile +60 °C (-13°F ile 140°F)
Bağıl nem: %5 ile %93, yoğunlaşmamış
Atmosfer basıncı: 700 hPa ile 1060 hPa

**Saklama:**
Sıcaklık: -25 °C ile +60 °C (-13°F ile 140°F)
Bağıl nem: %5 ile %93, yoğunlaşmamış
Atmosfer basıncı: 700 hPa ile 1060 hPa

**SBO Hearing A/S**
**Kongebakken 9**
**DK-2765 Smørum**
**Danimarka**
**hearingsolutions.philips.com**

**IP68**



2022-01-11 | 246096 | TR

PHILIPS

HearLink

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TARAFIMDAN İNGİLİZCE'DEN TÜRKÇE'YE ÇEVRİLMİŞTİR
EMRAH BÜKE YEMİNLİ MÜTERCİM

# Specification guide

# HearLink 9030 | 7030 | 5030 | 3030 | 2030 miniBTE T

**HearLink miniBTE T is a behind-the-ear hearing instrument of the Philips HearLink family, suitable for slight to moderately severe hearing losses.** Powered by AI sound technology, the HearLink miniBTE T includes our most advanced audiological features in SoundMap 2. Thanks to updated Bluetooth® Low Energy (BLE), it directly connects to iOS (iPhone®, iPad®, iPod®) and Android™ devices. The miniBTE T comes with the miniFit thin tube system, which includes a wide variety of domes and custom molds.

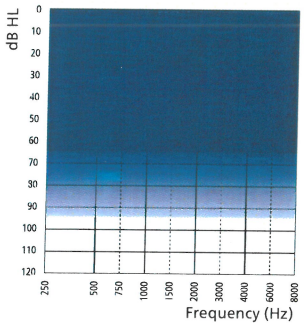
## Earhook

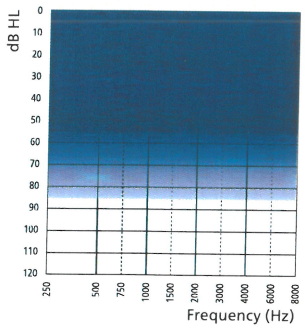

## minifit 0.9 mm


9030 | 7030 | 5030 | 3030 | 2030 MNB T
(HEB9033, HEB7033, HEB5033, HEB3033, HEB2033)

Made for iPhone | iPad | iPod

Works with android




## Technical features

- Direct audio streaming (compatible with iOS and Android™ devices)
- Hands-free communication**
- 2.4 GHz Bluetooth® Low Energy
- NFMI (near-field magnetic induction)
- Single push button
- Telecoil
- miniFit thin tube
- Hydrophobic coating
- IP68 rated
- LED visual indicator

## General features

- Digital Programmable
- Automatic or Manual Volume Control
- Maximum Output Control System
- MPO-Maximum Power Output
- GC-Gain Control
- AGC-Automatic Gain Control
- Noise Reduction
- Feedback Management
- Dual Microphone
- FM Compatible(with Telecoil)
- 4 Programs
- Up to 64 Channels*

## Accessories

- Philips HearLink app (compatible with iOS and Android™ devices)
- Philips HearLink Connect app (compatible with iOS and Android™ devices)
- Philips Remote Control
- Philips TV Adapter
- Philips AudioClip
- Noahlink Wireless (wireless programming interface)

Please refer to www.hearingsolutions.philips.com for additional information and support.
* HearLink 9030: 64 channels, HearLink 7030&5030&3030&2030: 48 channels
** Available from FW 1.3 with selected iPhone models.

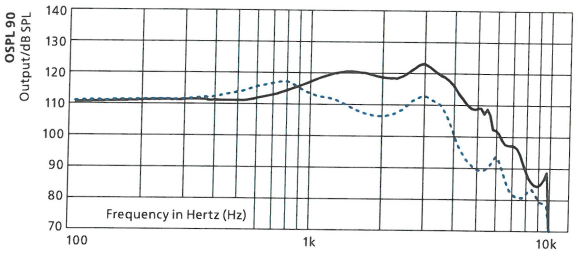
Philips HearLink is a Made for iPhone®, iPad®, iPod® hearing aid. Direct Audio Streaming for Android devices requires Android 10 or later, Bluetooth® 5.0 and an implementation of Audio Streaming for Hearing Aids (ASHA) on the Android device. For information on compatibility, please visit hearingsolutions.philips.com/compatibility.

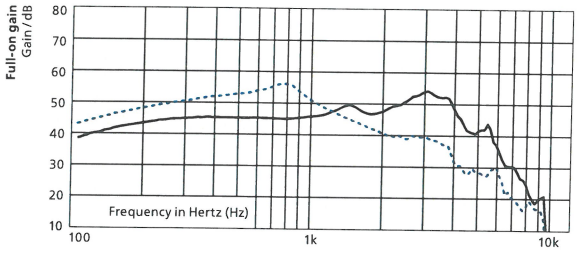
# HearLink 9030

HEB9033 MNB T

— Earhook ··· Thin tube 0.9

## 2CC Coupler




| | Earhook | Thin tube 0.9 |
|---|---|---|
| OSPL90, Peak (dB SPL) | 123 | 117 |
| OSPL90, 1600 Hz (dB SPL) | 120 | 108 |
| OSPL90, HFA (dB SPL) | 119 | 110 |
| Full-on Gain, Peak (dB) | 54 | 56 |
| Full-on Gain, 1600 Hz (dB) | 48 | 44 |
| Full-on Gain, HFA (dB) | 48 | 44 |
| Reference Test Gain (dB) | 42 | 34 |
| Quiescent Current (mA) | 1.9 | 1.9 |
| Operating Current (mA) | 2.0 | 2.0 |
| Battery Size | 312 | 312 |
| Distortion 500/800/1600 Hz (%) | <4/<3/<2 | <2/<2/<2 |
| Frequency Range (Hz) | 100-7300 | 100-6800 |
| Equivalent Input Noise[1] (dB SPL) | 17 | 21 |
| Telecoil 1 mA/m 1000 Hz, ANSI (dB SPL) | 79 | 84 |
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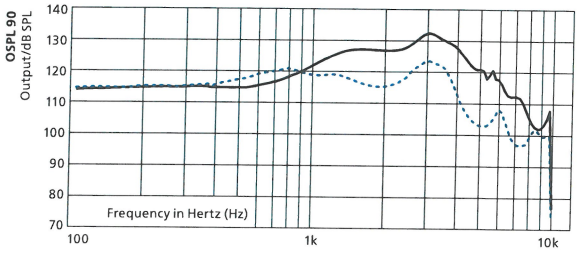
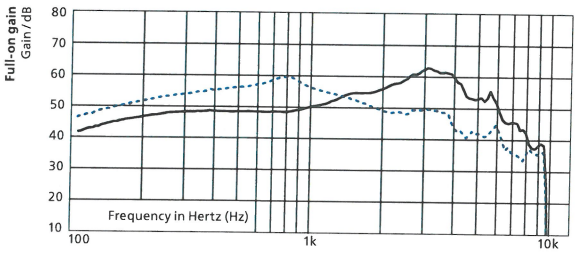
## Ear Simulator

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| Equivalent Input Noise[1] (dB SPL) | 18 | 19 |
| Telecoil 1 mA/m 1600 Hz, IEC (dB SPL) | 86 | 87 |

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

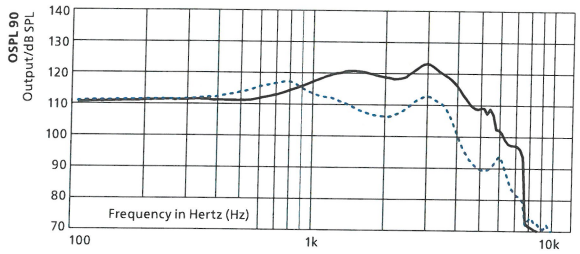
"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010.
Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.
Full-on gain is measured with the gain control of the hearing instruments 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.

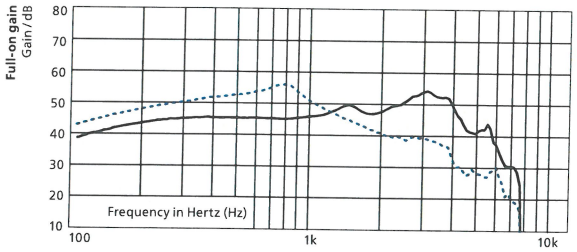
# HearLink 7030 | 5030 | 3030 | 2030

HEB7033, HEB5033, HEB3033, HEB2033 MNB T

— Earhook ··· Thin tube 0.9

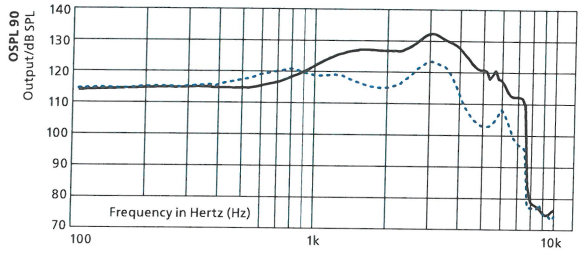
## 2CC Coupler

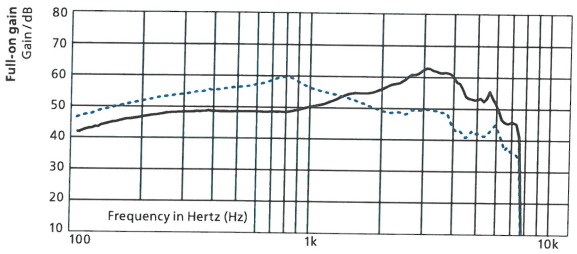



| | Earhook | Thin tube 0.9 |
|---|---|---|
| OSPL90, Peak (dB SPL) | 123 | 117 |
| OSPL90, 1600 Hz (dB SPL) | 121 | 108 |
| OSPL90, HFA (dB SPL) | 119 | 110 |
| Full-on Gain, Peak (dB) | 54 | 56 |
| Full-on Gain, 1600 Hz (dB) | 48 | 44 |
| Full-on Gain, HFA (dB) | 48 | 44 |
| Reference Test Gain (dB) | 42 | 34 |
| Quiescent Current (mA) | 1.9 | 1.9 |
| Operating Current (mA) | 2.0 | 2.0 |
| Battery Size | 312 | 312 |
| Distortion 500/800/1600 Hz (%) | <4/<3/<2 | <2/<2/<2 |
| Frequency Range (Hz) | 100-7300 | 100-6800 |
| Equivalent Input Noise[1] (dB SPL) | 17 | 21 |
| Telecoil 1 mA/m 1000 Hz, ANSI (dB SPL) | 79 | 84 |
| Telecoil HFA SPLITS (dB SPL) | 100 | 91 |

## Ear Simulator




| | Earhook | Thin tube 0.9 |
|---|---|---|
| OSPL90, Peak (dB SPL) | 132 | 123 |
| OSPL90, 1600 Hz (dB SPL) | 127 | 116 |
| OSPL90, HFA (dB SPL) | 126 | 118 |
| Full-on Gain, Peak (dB) | 63 | 59 |
| Full-on Gain, 1600 Hz (dB) | 55 | 52 |
| Full-on Gain, HFA (dB) | 55 | 52 |
| Reference Test Gain (dB) | 48 | 41 |
| Quiescent Current (mA) | 1.9 | 1.9 |
| Operating Current (mA) | 1.9 | 2.0 |
| Battery Size | 312 | 312 |
| Distortion 500/800/1600 Hz (%) | <4/<4/<2 | <3/<2/<3 |
| Frequency Range (Hz) | 100-7500 | 100-7500 |
| Equivalent Input Noise[1], (dB SPL) | 18 | 19 |
| Telecoil 1 mA/m 1600 Hz, IEC (dB SPL) | 86 | 87 |

[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 instruments 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.

# Feature overview

| | HearLink 9030 | HearLink 7030 | HearLink 5030 | HearLink 3030 | HearLink 2030 |
|---|---|---|---|---|---|
| **SoundMap 2** | | | | | |
| **Amplification** | | | | | |
| Frequency bandwidth | 10 kHz | 8 kHz | 8 kHz | 8 kHz | 8 kHz |
| Extended Dynamic Range | ● | ● | – | – | – |
| Low Frequency Enhancement | ● | ● | ● | ● | ● |
| Frequency Lowering | ● | ● | ● | ● | ● |
| Comfort Control | 4 options | 2 options | – | – | – |
| **Noise Control** | | | | | |
| Speech Clarifier | 3 options | 2 options | – | – | – |
| Transition | 4 options | 3 options | 2 options | ● | ● |
| **Directionality** | | | | | |
| Pinna | 2 options | 2 options | ● | ● | ● |
| Fixed Directional | ● | ● | ● | ● | ● |
| Adaptive Directionality | ● | ● | ● | ● | ● |
| Dynamic Directionality | 3 options | 2 options | ● | ● | – |
| **AI Noise Reduction** | | | | | |
| Noise Reduction Mode | 4 options | 4 options | 3 options | 3 options | 2 options |
| **Special noise management** | | | | | |
| Soft Noise Management | ● | ● | ● | ● | ● |
| Wind Noise Management | ● | ● | ● | ● | ● |
| Transient Noise Reduction | 4 options | 3 options | 3 options | 2 options | – |
| Binaural Noise Management | ● | ● | – | – | – |
| **Feedback Canceller** | | | | | |
| Strength control | ● | ● | ● | ● | ● |
| **SoundTie 2** | | | | | |
| iOS and Android direct streaming | ● | ● | ● | ● | ● |
| Hands-free communication for iOS | ● | ● | ● | ● | ● |
| **Binaural coordination** | | | | | |
| NFMI | ● | ● | ● | ● | ● |
| Binaural Volume and Program Change | ● | ● | ● | ● | ● |
| Non-Telephone Ear Control | ● | ● | ● | ● | ● |
| **Programming options** | | | | | |
| General | ● | ● | ● | ● | ● |
| Fitting bands | 24 | 20 | 18 | 14 | 12 |
| Environments | 13 | 12 | 12 | 10 | 8 |
| Manual listening programs | 4 | 4 | 4 | 4 | 4 |
| HiFi Music | ● | ● | ● | ● | – |
| Airplane | ● | – | – | – | – |
| Data Logging | ● | ● | ● | ● | ● |
| Adaptation Manager | ● | ● | ● | ● | ● |
| CROS compatibility | ● | ● | ● | ● | ● |

**HearLink 9030|7030|5030|3030|2030 MNB T instruments can be programmed with HearSuite 2022.1.0 or higher**

**Operating Conditions of miniBTE T**
Temperature: +1°C to +40°C (34°F to 104°F)
Humidity: 5% to 93%, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

**Storage and transportation conditions:**
Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage

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

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

**Manufacturer**

**SBO Hearing A/S**
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DK-2765 Smørum
Denmark

hearingsolutions.philips.com

**IP68**



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