

TECHNICAL DATA

Encanta 400 | 300 | 200 | 100 miniBTE T 85

Bernafon Encanta miniBTE T 85 comes with a damped hook and thin tubes and is compatible with a variety of domes and custom moulds. It is designed for users with slight to severe hearing loss. 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



MNB T 85

Thin tube 1.3 mm



MNB T 85

Thin tube 0.9 mm



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

- Bernafon App
- SoundClip-A
- TV-A (TV adapter)
- RC-A (remote control)
- Hook and thin tube
- Size 312 zinc air battery

For information on compatibility, please visit www.bernafon.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

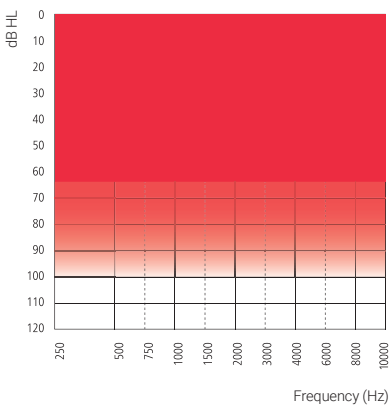
WARNING: No modification of this equipment is allowed.

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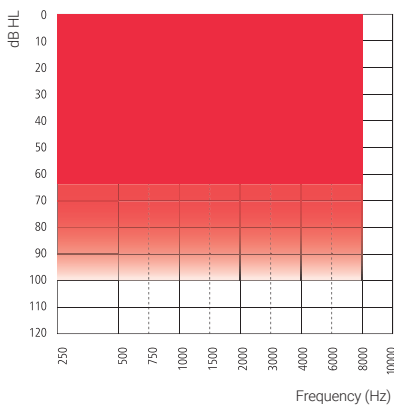


Fitting ranges

Bernaфон Encanta 400

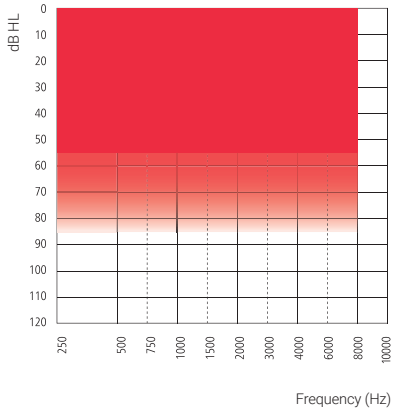
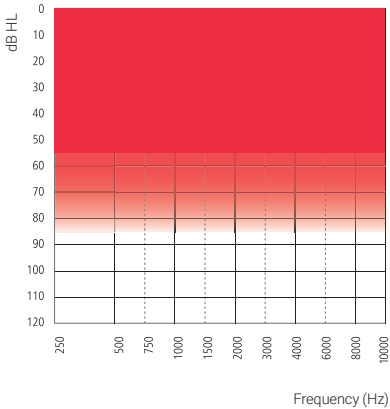


Bernaфон Encanta 300 | 200 | 100



85

Hook



85

Thin tube

Feature overview

	Encanta 400	Encanta 300	Encanta 200	Encanta 100
Smart sound processing				
Smart Amplification	•	•	•	•
Frequency bandwidth	10 kHz	8 kHz	8 kHz	8 kHz
Smart Noise Management	•	•	•	•
Smart Noise Reduction	5 options	4 options	3 options	2 options
Directionality Preference	4 options	4 options	4 options	3 options
Smart Directionality States	3 options	2 options	—	—
Omni Preference	2 options	2 options	—	—
Speech and Noise Balancer	•	•	—	—
Speech Balancer	3 options	2 options	•	•
Noise Balancer	4 options	2 options	—	—
Smart Feedback Canceller	•	•	•	•
Wind Contact Noise Protector	•	•	•	•
Audibility and comfort				
Low Frequency Enhancer	•	•	•	•
Frequency Composition	•	•	•	•
Binaural Noise Manager	•	•	•	—
Transient Noise Reduction	6 options	5 options	4 options	2 options
Dynamic Range Extender	•	•	—	—
Soft Noise Manager	•	•	•	•
Directionality options				
Smart Directionality	•	•	•	—
Adaptive Full Directionality	•	•	•	•
Fixed Directionality	•	•	•	•
Fixed Omni	•	•	•	•
Omni Directional	•	•	—	—
Pinna Effect	•	•	—	—
Individualisation				
Personalisation	•	•	•	•
Fitting bands	24	20	18	14
Program options/memories	13/4	11/4	11/4	9/4
Music Experience	•	•	•	•
Binaural coordination: VC, program changes	•	•	•	•
Automatic Adaptation Manager	•	•	•	•
Transition	4 options	3 options	2 options	1 option
Data Logging	•	•	•	•
Conversation Data	•	•	•	•
Spoken indicators	•	•	•	•
Tinnitus SoundSupport	•	•	•	•
CROS compatibility	•	•	•	•

Encanta 400 miniBTE T 85

Ear Simulator

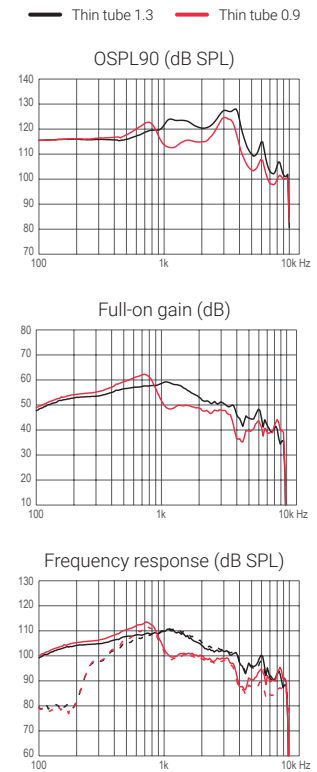
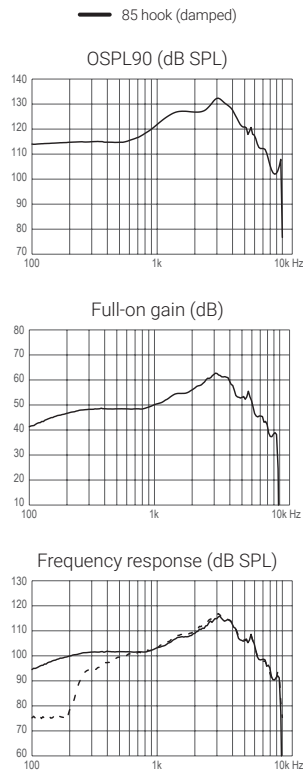
Measured according to IEC 60118-0:1983/AMD1:1994,
IEC 60118-0:2022, IEC 60118-1:1995+AMD1:1998 CSV
and IEC 60318-4:2010



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).

Encanta 400 miniBTE T 85

2CC Coupler

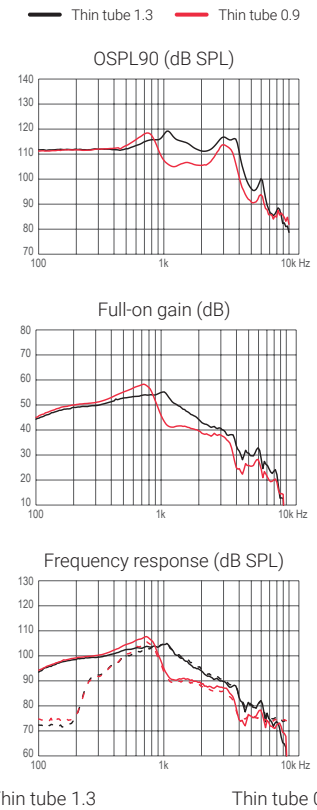
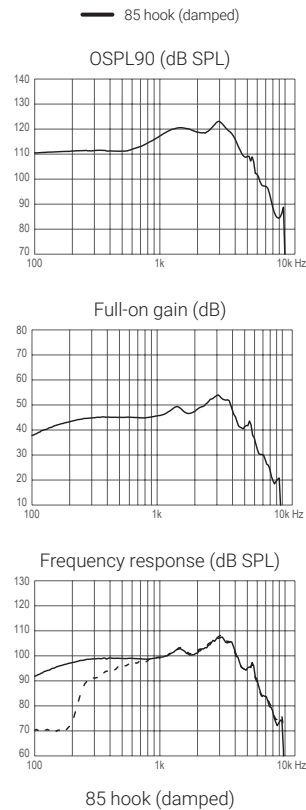
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OSPL90, Peak (dB SPL)	123	119	118
OSPL90, HFA (dB SPL)	119	115	108
Full-on gain, Peak (dB) ¹	54	55	58
Full-on gain, HFA (dB) ¹	48	48	42
Reference test gain (dB)	42	37	31
Frequency range (Hz)	<100-7300	<100-6300	<100-6800
Telecoil output, HFA SPLITS 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

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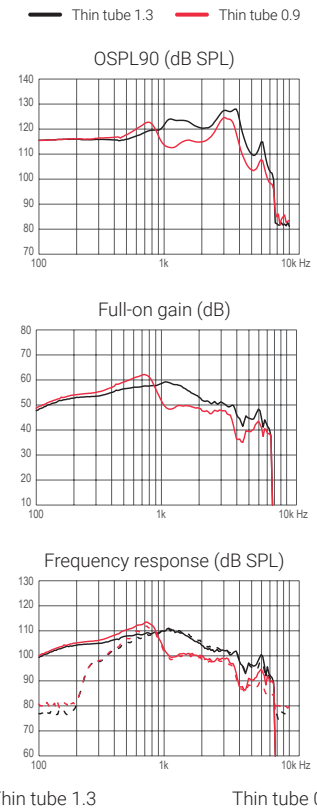
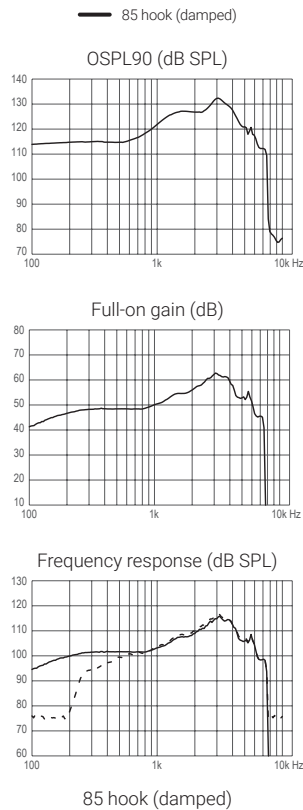
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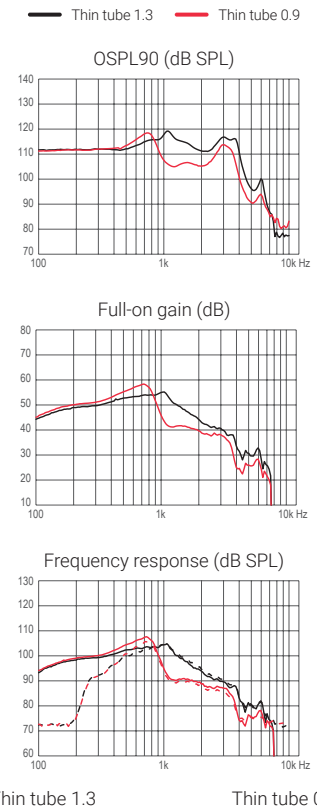
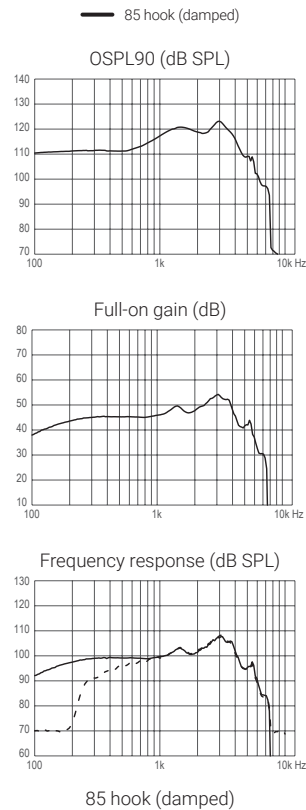
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