

TECHNICAL DATA

Encanta 400 | 300 | 200 | 100 BTE T 105

Bernafon Encanta BTE T 105 comes with an undamped hook and thin tube and is compatible with a variety of domes and custom moulds. It is a powerful hearing aid with a disposable battery designed for users with slight to profound 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



BTE T 105

Thin tube 1.3 mm



BTE T 105

Thin tube 0.9 mm



BTE T 105

Technical Features

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

Accessories

- Bernafon App
- SoundClip-A
- TV-A (TV adapter)
- RC-A (remote control)
- Hook and thin tube
- Size 13 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

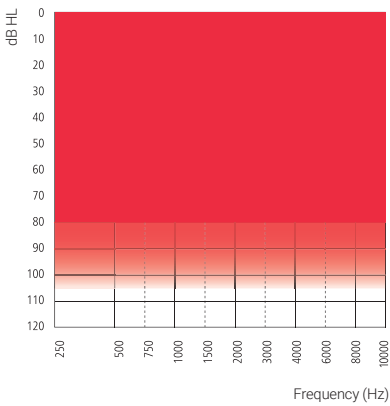
WARNING: No modification of this equipment is allowed.

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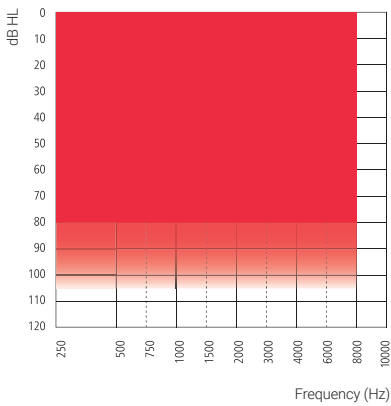


Fitting ranges

Bernaфон Encanta 400

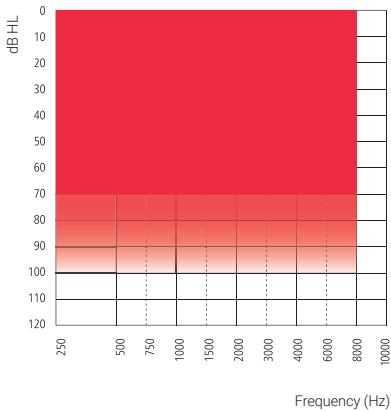
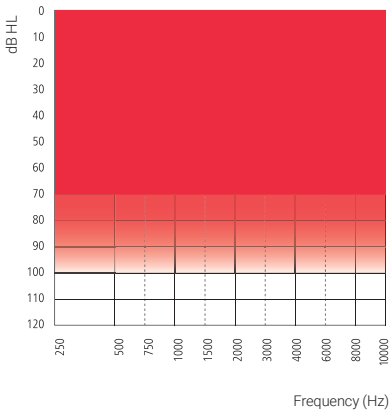


Bernaфон Encanta 300 | 200 | 100



105

Hook



105

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 BTE T 105

Ear Simulator

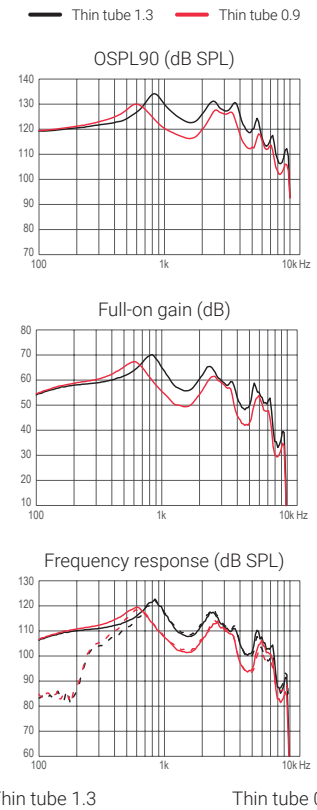
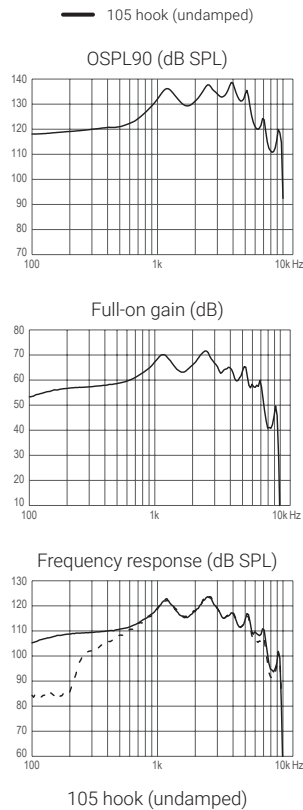
Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2022, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010



Technical information
Omnidirectional mode is used unless otherwise stated.

105 hook (undamped) / 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



	105 hook (undamped)	Thin tube 1.3	Thin tube 0.9
OSPL90, Peak (dB SPL)	139	134	130
OSPL90, 1600 Hz (dB SPL)	130	123	116
OSPL90, HFA (dB SPL)	133	128	121
Full-on gain, Peak (dB) ¹	72	70	67
Full-on gain, 1600 Hz (dB) ¹	63	56	49
Full-on gain, HFA (dB) ¹	67	62	55
Reference test gain (dB)	56	48	42
Frequency range (Hz)	<100-9400	<100-7600	<100-7700
Telecoil output, 1 mA/m field (1600 Hz) (dB SPL)	94	87	81
Telecoil output, 10 mA/m field (1600 Hz) (dB SPL)	114	107	101
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	7	<2	<2
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	5	<2	<2
Total harmonic distortion (Input 70 dB SPL), 1600 Hz (%)	<2	<2	<2
Equivalent input noise level, Omni (dB SPL)	19	23	28
Battery consumption, Typical (mA) ²	2.1	2.1	2.1
Battery consumption, Quiescent (mA) ²	2.0	2.0	2.0
Battery life, artificial measurement, hours ³	150	150	150
Expected battery life, hours (battery size 13 - IEC PR48) ⁴	85-105	85-105	85-105

- 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).

Warning to the hearing aid dispenser

The maximum output capability of the hearing aid may exceed 132 dB SPL (2cc coupler). Special care should be exercised in selecting and fitting the hearing aid, as there may be risk of impairing the remaining hearing of the hearing aid user.

Encanta 400 BTE T 105

2CC Coupler

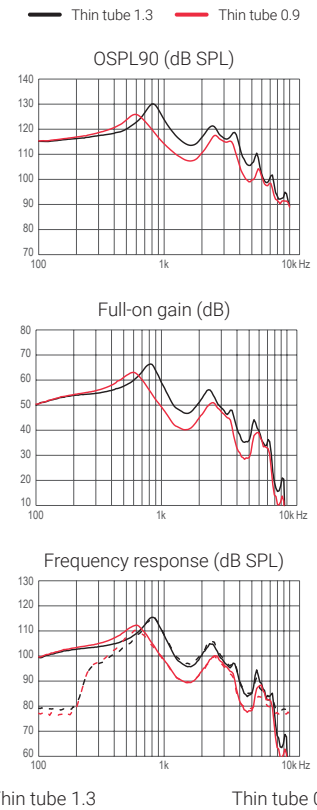
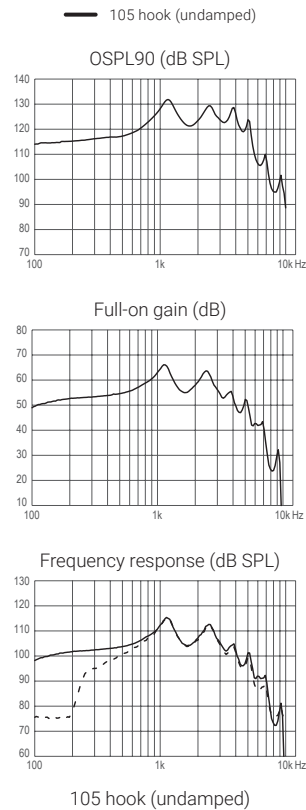
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Thin tube 0.9
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Magnetic input: 31.6 mA/m - - - - -



	105 hook (undamped)	Thin tube 1.3	Thin tube 0.9
OSPL90, Peak (dB SPL)	132	130	126
OSPL90, HFA (dB SPL)	126	119	113
Full-on gain, Peak (dB) ¹	66	66	63
Full-on gain, HFA (dB) ¹	61	54	47
Reference test gain (dB)	50	43	36
Frequency range (Hz)	<100-7000	<100-7300	<100-7300
Telecoil output, HFA SPLITS L/R (dB SPL)	109	100	94
Telecoil output, Full-on HFA-SPLIV (dB SPL)	110	105	98
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	4	<2	<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)	15	20	26
Battery consumption, Typical (mA) ²	2.4	2.5	2.4
Battery consumption, Quiescent (mA) ²	2.0	2.0	2.0
Battery life, artificial measurement, hours ³	130	125	130
Latency, (ms)	8.4	8.4	8.4
Expected battery life, hours (battery size 13 - IEC PR48) ⁴	85-105	85-105	85-105

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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).

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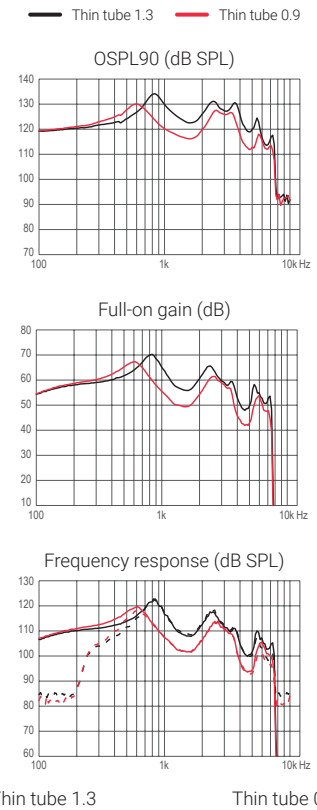
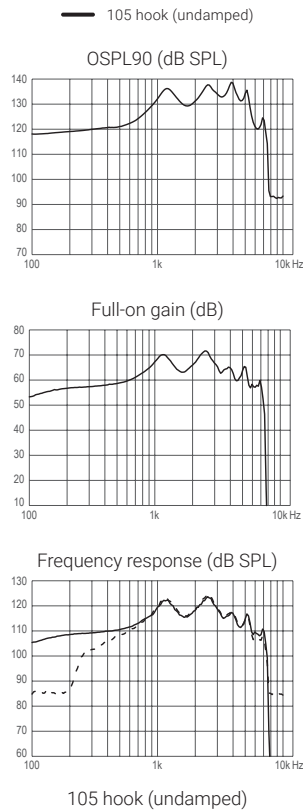
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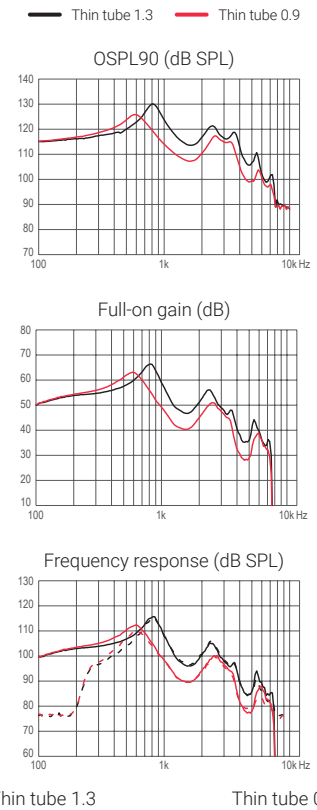
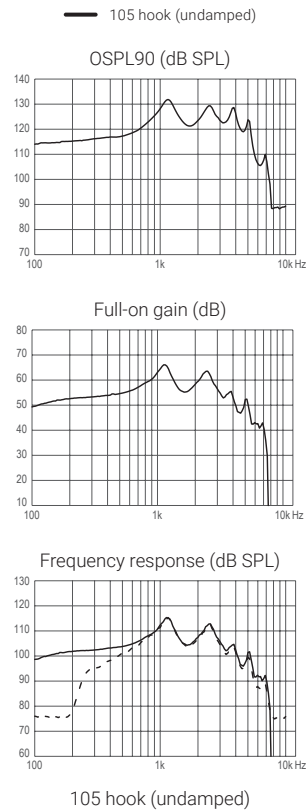
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