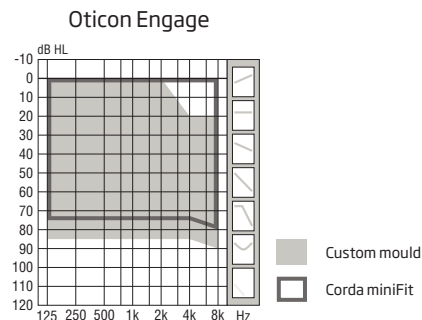


OTICON | Engage

Technical data sheet

BTE 85



85

Oticon Engage	
Speech Understanding	OpenSound Navigator™
	Level 2
	- Balancing power effect
	50%
	- Max. noise removal
	5 dB
Sound Quality	Speech Guard™ LX
	Level 2
	Spatial Sound™ LX
	2 estimators
	Soft Speech Booster LX
	•
Listening Comfort	Speech Rescue™ LX
	•
	Clear Dynamics
	•
	Spatial Noise Management
	•
Personalisation & Optimising Fitting	Fitting Bandwidth*
	8 kHz
	Processing Channels
	48
	Bass Boost (streaming)
	•
Connecting to the World	Transient Noise Management
	On/Off
	Feedback shield LX
	•
	Wind Noise Management
	•
Tinnitus SoundSupport™	YouMatic™ LX
	2 configurations
	Fitting Bands
	14
	Multiple Directionality Options
	•
Expected battery life, hours**	Adaptation Management
	•
	Oticon Firmware Updater
	•
	Fitting Formulas
	VAC+, NAL-NL1+2, DSL v5.0
	Stereo streaming (2.4 GHz)
	•
	Oticon ON App
	•
	ConnectClip
	•
	Remote Control 3.0
	•
	TV Adapter 3.0
	•
	DAI/FM
	•
	Tinnitus SoundSupport™
	•
	Expected battery life, hours**
	80-105

* Bandwidth accessible for gain adjustments during fitting

** Battery size 13 - IEC PR48.

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).

Oticon Engage BTE features a new compact design with a tactile double push button for easy operation of volume and programs. BTE comes with telecoil and an optional discreet, two-color LED indicator to monitor hearing aid status.

OpenSound Navigator™ provides better speech understanding by continuously analysing the environment, balancing all sound sources and attenuating the dominating noise.

TwinLink™ wireless technology combines binaural communication and 2.4 GHz connectivity in stereo directly to external digital devices with very low power consumption.

Oticon Engage is a Made for iPhone® hearing aid.

Oticon Engage is built on the Velox™ platform, providing frequency resolution in 48 channels.

Fully programmable with updatable firmware, the Velox platform is ready for the future.



For information on compatibility, please visit www.oticon.global/connectivity. Apple, the Apple logo, iPhone, iPad, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.



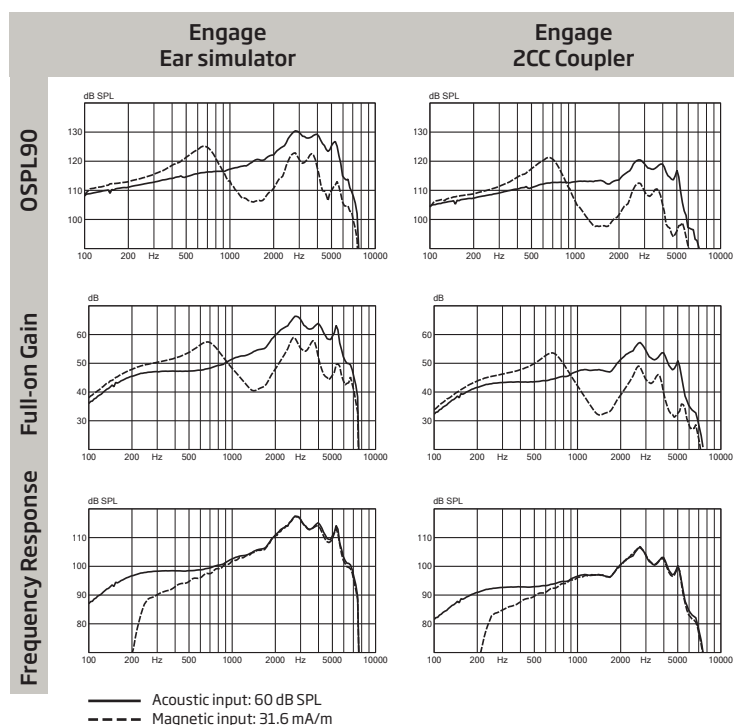
Technical data Measured according to		Ear Simulator IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	ZCC Coupler ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
Oticon Engage BTE		Engage	Engage
Frequency range Hz		105-7500	100-7000
OSPL90	Peak	130 (125*) dB SPL	120 (121*) dB SPL
	1600 Hz	121 (107*) dB SPL	113 (98*) dB SPL
	HFA-OSPL90	122 (113*) dB SPL	115 (105*) dB SPL
Full-on gain**	Peak	66 (59*) dB	57 (54*) dB
	1600 Hz	55 (41*) dB	47 (33*) dB
	HFA-FOG	57 (49*) dB	50 (41*) dB
Reference test gain		46 dB	39 dB
Telecoil output (1600 Hz)	1 mA/m field	85 dB SPL	-
	10 mA/m field	105 dB SPL	-
	SPLITS L/R	-	97/97 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	< 2 %	< 2 %
	800 Hz	2 %	< 2 %
	1600 Hz	< 2 %	< 2 %
Equivalent input noise level	Omni	21 dB SPL	18 dB SPL
	Dir	31 dB SPL	28 dB SPL
Battery consumption***	Typical	1.4 mA	1.7 mA
	Quiescent	1.3 mA	1.7 mA
Battery life, artificial measurement, hours****		230	180

* For instruments fitted with Corda miniFit.

** 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.

*** Battery current is measured according to IEC 60118-0:1983/AMD1:1994 §7.11, IEC 60118-0:2015 §7.7 and ANSI S3.22:2014 §6.13 after a settling time of minimum 3 minutes.

**** Based on the standardised battery consumption measurement (IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.



Technical information: Omnidirectional mode is used unless otherwise stated.

Operating conditions

Temperature: +1°C to +40°C (34°F to 104°F)

Relative 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.

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



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