

# Baha<sup>®</sup> Compact

data sheet



**baha**<sup>®</sup>

# Baha® Compact

The Baha® system has been used to successfully treat more than 25,000 patients world-wide who have either a conductive hearing loss (due to bilateral atresia or chronic suppurative otitis media) or who have Single Sided Deafness (SSD™). Baha works through bone conduction with a sound processor attached to a small titanium implant, which is placed in the bone behind the ear. The bone acts as a pathway for sound to travel to the inner ear without involving the ear canal.

Sound processors are becoming smaller and the Baha® Compact is no exception. The Compact is 35 % smaller than the Classic 300 which means you can offer an discreet, aesthetically pleasing solution for your Baha patients. The device combines cutting edge technology with innovative design features:

- AGCO technology for less distortion and improved sound quality in loud environments
- improved protection against mobile phone interference
- class D output amplifier
- trim controls for adjustment of gain and low frequency response
- plastic snap for simple attachment and removal, better hygiene and improved comfort

The Compact is available in three colours; black, beige and grey and is delivered in a kit including the sound processor, abutment cover, battery, cleaning brush, safety line and user's manual. Also included is a testrod that allows the wearer to "share their Baha experience" with family and friends.

## Compression

The Compact is equipped with output compression (AGCO) to avoid distortion at high output levels. The compression threshold for the Compact is at an approximate input level of 60 dB SPL at maximum volume setting, but will change according to the volume control setting.

The compression threshold is factory set to provide a balance between sound quality, intelligibility and loudness.

## Audiological indications

The Compact is suitable for people with bone conduction thresholds of the indicated ear better than or equal to 45 dB HL (measured at 0.5, 1, 2, 3 kHz). This enables patients with air conduction thresholds down to 105 dB HL to be successfully treated (60 dB air bone gap + 45 dB bone thresholds). Additionally, patients with unilateral, profound sensorineural hearing loss of the indicated ear with normal contralateral hearing (as defined by 20 dB HL air conduction pure tone average) will also benefit from the Compact sound processor. For further details see the Audiological manual.

## Accessories available:

### Audio adapter

The audio adapter can be used to connect the Compact to FM Hearing systems, IR systems, Walkman, MP3, TV etc.

### Directional microphone

The directional microphone emphasizes the sound coming from the front but reduces the force of sound arriving from the side and from behind the wearer. This function makes it possible to improve the overall speech-to-noise ratio.

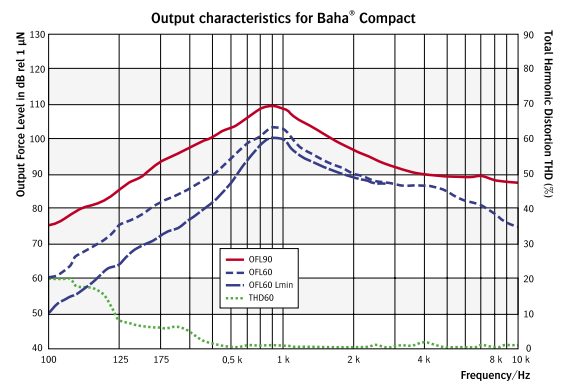
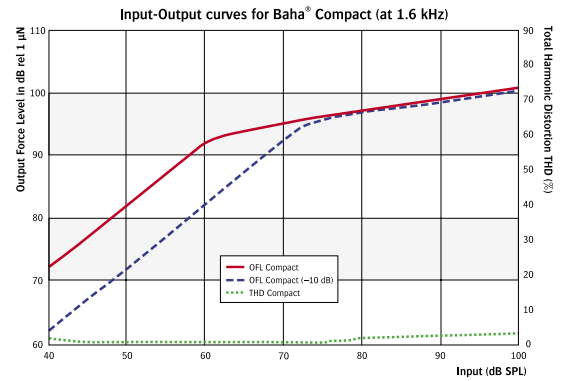
### FM-receiver

Phonak has developed a special Baha FM-receiver version of their Micro Link MLX receiver. It can be plugged directly into the Compact. Please contact your local Phonak distributor ([www.phonak.com](http://www.phonak.com)) for further information.

### Telecoil

The telecoil has an on-off switch that gives the wearer more flexibility as the telecoil can be turned off without removing the unit completely.

## Technical data



Battery voltage	1.1–1.5 V
Current consumption	0.7 mA (in silence), 0.9 mA (at 60 dB SPL, 1 600 Hz)
Battery type	13
Frequency range	250–7 000 Hz
Peak OFL at 90 dB SPL	110 dB re 1 µN
Harmonic distortion (THD <sub>60</sub> )	Below 3 % above 600 Hz
Equivalent input noise	26 dB SPL
Electrical input sensitivity (1 mV <sub>RMS</sub> )	98 dB re 1 µN, 1 600 Hz
Input impedance	3 kΩ
Compression attack time	40 ms
Compression release time	80 ms
Compression ratio	8:1
Size (l×b×h)	30×17×10 mm
Weight	11 g incl. battery

(measurements at full gain)

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