

# PRODUCT INFORMATION

## Ponto, Ponto Pro & Ponto Pro Power

The Ponto sound processor family consists of three models: Ponto, Ponto Pro, and the stronger Ponto Pro Power. All Ponto sound processors build on the same simple logic – they are based on the advanced Oticon RISE platform and fitted via the easy-to-use Genie Medical fitting software. If you can fit one Ponto processor, you can fit them all.

### Benefits from directionality in more situations

The Automatic Multiband Adaptive Directionality system aims to automatically offer an improved speech to noise ratio in adverse listening situations. It continuously analyzes information from various environmental detectors and automatically chooses one of the three different directionality modes; Omni, Full Directionality and the unique Split Directionality mode. In the Split Directionality mode the processor applies directionality in the mid-to-high frequencies while leaving the low frequencies in Omni mode, so that users can benefit from directionality in more situations without losing power in the low frequencies.

### Speech Guard

Speech Guard is a signal processing system that works by maintaining linear

processing as much as possible, but at the same time responding instantaneously to rapidly occurring environmental sounds – without the level of distortion experienced with traditional compression systems.

### 2-stage Feedback Management System

The Feedback Management System attacks feedback in two stages. A Feedback Manager in Genie Medical measures and applies individual feedback limits in the sound processor in order to prevent static feedback and facilitate the full use of the entire range of the volume control without feedback. The Dynamic Feedback Cancellation (DFC) is a feature in the sound processor that constantly checks for presence of acoustic feedback. When feedback is detected the DFC system phase cancels the feedback signal. DFC is designed to minimize the risk of feedback by adapting to sudden acoustical changes.



### Family Features

- 15 sound processing channels
- Multiband Adaptive Directionality
- Wind Noise Reduction
- Dynamic Feedback Cancellation
- Output AGC
- Speech Guard
- Battery management system
- Up to 4 programs
- Volume Control
- Start-up delay
- Mute/stand-by function
- Low battery warning
- Tamper-resistant battery door
- Telecoil/DAI/FM input
- Nano coating

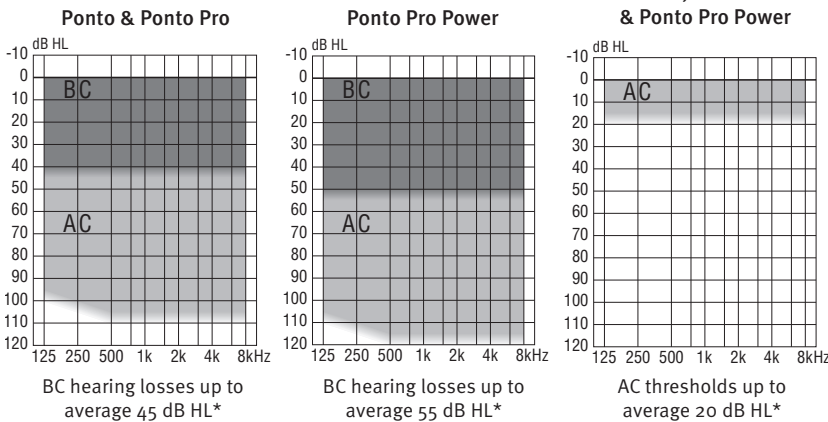
### Fitting

- Fitting software, Genie Medical 2011.1
- 10-channel frequency response shaping
- BC In-situ Audiometry
- Feedback Manager
- Single-sided deafness fitting
- Soft band fitting

### FITTING RANGES

#### Conductive / mixed hearing loss

#### Single-sided deafness



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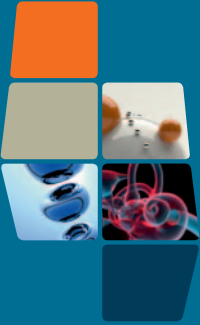
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Product Overview

Features	Ponto	Ponto Pro	Ponto Pro Power
Sound processing features			
15 sound processing channels	✓	✓	✓
Multiband Adaptive Directionality	Manual	Automatic	Automatic
Tri-state Noise Reduction		✓	✓
Wind Noise Reduction	✓	✓	✓
Dynamic Feedback Cancellation	✓	✓	✓
Output AGC	✓	✓	✓
Speech Guard	✓	✓	✓
Battery management system	✓	✓	✓
Fitting features			
Fitting software, Genie Medical	✓	✓	✓
10-channel frequency response shaping	✓	✓	✓
BC In-situ Audiometry	✓	✓	✓
Feedback Manager	✓	✓	✓
Data Logging		✓	✓
Learning Volume Control		✓	✓
The physical product and operation aspects			
Up to 4 programs	✓	✓	✓
Volume control	✓	✓	✓
Start-up delay	✓	✓	✓
Mute/stand-by function	✓	✓	✓
Low battery warning	✓	✓	✓
Tamper-resistant battery door	✓	✓	✓
Telecoil/DAI/FM input	✓	✓	✓
Nano coating	✓	✓	✓

COLOR SELECTION



White Silver



Chroma Beige



Mocca Brown



Diamond Black

FITTING

Oticon Medical Ponto instruments are programmed using the Genie Medical 2011.1, or later version, fitting software. The software can be used stand-alone or with NOAH. They can be programmed using either programming cables Oticon #3 or NOAHlink #2.



Ponto Pro

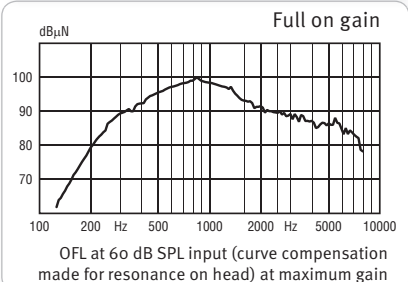
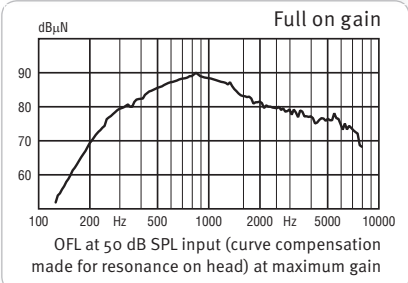
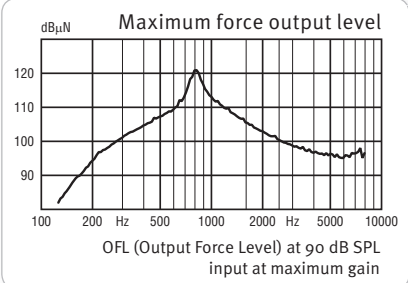


Ponto Pro Power

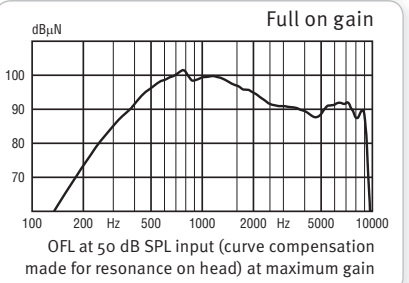
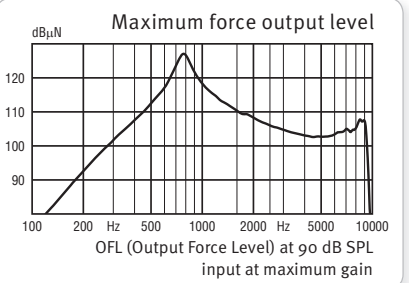
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Fitting and Technical Information

PONTO & PONTO PRO



PONTO PRO POWER



Technical Information	Ponto and Ponto Pro	Ponto Pro Power
Battery voltage	1.1-1.5 V	1.1-1.5 V
Current consumption	1.1 mA in silence	1.4 mA in silence
Average battery lifetime	Typically 100-140 hours	Typically 80-160 hours
Frequency range	125 Hz – 8 kHz	125 Hz – 8 kHz
Peak OFL at 90 dB SPL input	121 dB rel. 1 µN	127 dB rel. 1 µN
Peak OFL at 60 dB SPL input	100 dB rel. 1 µN	112 dB rel. 1 µN
Peak OFL at 50 dB SPL input	90 dB rel. 1 µN	102 dB rel. 1 µN
Total harmonic distortion (THD60)	< 3 % above 600 Hz	< 3 % above 600 Hz
Equivalent input noise	26 dB SPL	26 dB SPL
Electrical input equivalent to an acoustic input of 70 dB SPL	1.4 mVrms at 1600 Hz	1.4 mVrms at 1600 Hz
Processing delay	6 ms	6 ms
Battery size	13	675
Weight	13 g without battery	17 g without battery
Physical dimensions (L * W * H)	34 * 21 * 11 [mm]	34 * 21 * 14 [mm]
IRIL GSM/DECT	19/28 dB SPL	16/38 dB SPL

OPTIONS AND ACCESSORIES

Telecoil

A plug-in telecoil unit that is designed to improve sound quality and speech understanding within areas that have a telecoil loop installed or for users who have an FM neckloop receiver.

Audio adapter

An audio adapter equipped with an isolation transformer allowing the user to connect the sound processor to external equipment such as: stereos, MP3-players and television sets.

FM receiver

Oticon has developed an FM solution, Amigo R2BA, to fit the Ponto sound processors. With this multi-channel FM receiver, the user can benefit from the advanced solutions offered by the Amigo receivers and transmitters.

Phonak also distributes an FM solution that can be used with the Ponto sound processors.