



Professional Hearing Solutions

Latest Hearing Aids



DATA SHEET

www.professionalhearingsolution.com

0332-5014111

Fast P

Technical Data



Earhook undamped

- 71 dB / 136 dB SPL
(ear simulator)
- 62 dB / 130 dB SPL
(2 ccm coupler)

Fast P | Technical Data

Type

Earhook undamped



Output sound pressure level

at 1.6 kHz

Peak

HFA-OSPL 90

Gain

Full on gain (FOG) at 1.6 kHz

Full on gain (Peak)

HFA-FOG

Reference test gain

Frequency, noise and directivity

Frequency range

Equivalent input noise

Total harmonic distortion at
500 / 800 / 1600 Hz

Tinnitus noiser broadband

AI-DI

Inductive coil sensitivity

MASL (1 mA/m) at 1.6 kHz

HFA MASL (1 mA/m)

HFA SPLITS (left/right)

RSETS (left/right)

Battery

Battery voltage

Battery current drain

Battery life (cell zinc air)

Battery life (rechargeable)

IRIL IEC 118-13:2011 (bystander)

800-960 MHz

1400-2000 MHz

ANSI C63.19

2 ccm coupler

Ear simulator

–

132 dB SPL

130 dB SPL

136 dB SPL

125 dB SPL

–

–

59 dB

62 dB

71 dB

58 dB

–

48 dB

52 dB

110-6000 Hz

170-6700 Hz

24 dB SPL

24 dB SPL

3 / 2 / 1 %

4 / 4 / 1 %

–

–

–

–

–

–

–

–

–

–

–

1.3 V

1.1 mA

~200 h

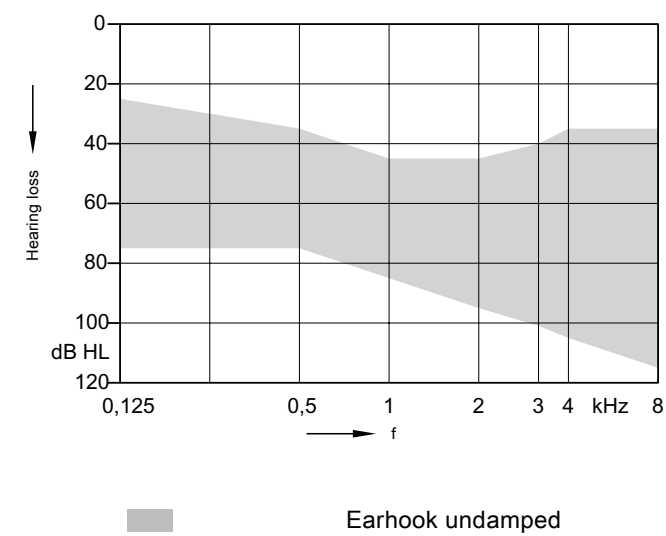
–

<-35 dB SPL

<-24 dB SPL

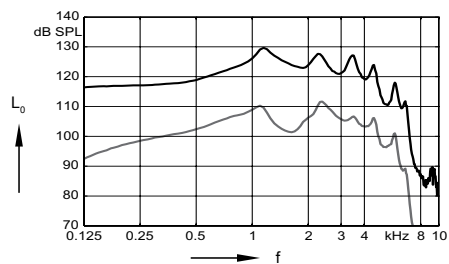
M3

Fast P | Fitting Range



Fast P (Earhook undamped) | Basic Data

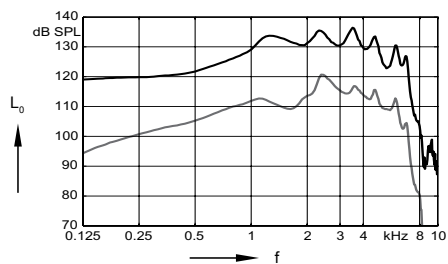
2 ccm coupler



Output sound pressure level ($L_1 = 90$ dB)

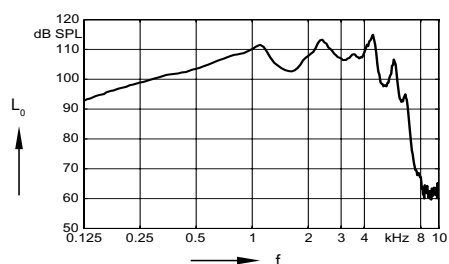
Full on gain ($L_1 = 50$ dB)

Ear simulator

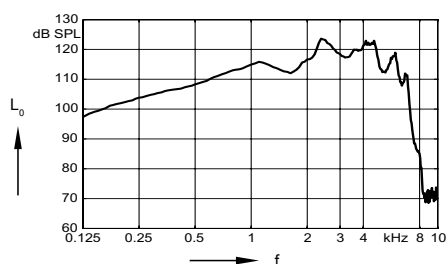


Output sound pressure level ($L_1 = 90$ dB)

Full on gain ($L_1 = 50$ dB)

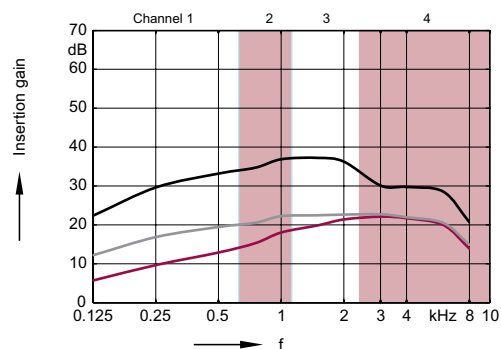


Frequency response ($L_1 = 60$ dB)



Basic acoustic response ($L_1 = 60$ dB)

Sound profiles and channels



Preconfigured sound profiles

— — — —

Fast P | Features and Accessories

Audiology	
Signal processing (channels) / Gain/MPO (handles)	4 / —
Hearing programs (pre-configured sound profiles)	3
SpeechMaster	—
HD Music (presets)	—
TwinPhone ¹⁾	—
EchoShield	—
Wireless CROS/BICROS ²⁾	—
Directionality (channels)	—
Narrow Directionality ¹⁾	—
Directional microphone	—
Spatial SpeechFocus ¹⁾	—
SpeechFocus	—
TruEar™	—
Frequency compression	—
Extended bandwidth	—
Feedback cancellation	●
eWindScreen binaural ¹⁾	—
eWindScreen™ (steps)	—
Noise Reduction (channels / steps)	—
Speech and noise management (steps)	—
SoundSmoothing™ (steps)	—
Directional speech enhancement (steps)	—
Adaptive streaming volume ³⁾	—
SoundBrilliance™ ³⁾	—
Sound equalizer (classes)	—
Spatial Configurator ¹⁾	—
Span ⁴⁾	—
Direction ⁵⁾	—
SoundBalance	—
Fitting	
Insitugram	—
Learning (classes) / Data logging	— / —
Acclimatization manager	—
Tinnitus	
Tinnitus noiser	
Static therapy signal (handles / presets)	—
Ocean Waves therapy signal (presets)	—

Fast P | Features and Accessories

Style Specific Features	
Ingress Protection Rating	—
Telecoil	—
AutoPhone™	—
Charging contacts	—
Battery Size	13
Battery door on/off function	●
Nanocoated housing	●
e2e wireless™ 3.0	—
Audio streaming	—
User controls coupling via e2e	—
Wireless programming via ConnexxLink™	—
Instrument configurations	
Flat cover	—
Volume wheel	—
Push button	—
Rocker switch	●
Color conversion kit	—
Battery door – direct audio input	—
Battery door – child lock	—
Programming Accessories	
ConnexxLink	—
Programming adapter	—
Accessories	
miniPocket	—
CROS Pure	—
eCharger	—
easyPocket™	—
easyTek	—
TV Transmitter (req. easyTek)	—
Transmitter (req. easyTek)	—
VoiceLink™ (req. easyTek)	—
App	
MobileFitting App	—
easyTek App (req. easyTek)	—
touchControl App	—

● available ■■■■ highest feature performance ○ optional — not available

¹⁾ req. bilateral fitting and e2e™ 3.0

²⁾ req. CROS Pure accessory

³⁾ streaming only, req. easyTek™

⁴⁾ req. easyTek & easyTek App, touchControl App or rocker switch

⁵⁾ req. easyTek & easyTek App or touchControl App

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Abbreviations and Standards

Abbreviations

The following abbreviations are used in this datasheet:

OSPL	Output Sound Pressure Level
HFA	High Frequency Average
FOG	Full-On Gain
MASL	Magneto Acoustical Sensitivity Level
SPLITS	Coupler SPL for an Inductive Telephone Simulator
RSETS	Relative Equivalent Telephone Sensitivity
AI-DI	Articulation Index - Directivity Index
IRIL	Input Related Interference Level
RTF	Reference Test Frequency

Standards

- ▶ All measurements with the 2 ccm coupler were performed according to ANSI S3.22-2009 and IEC 60118-7:2005 if applicable.
- ▶ All measurements with an ear simulator were performed according to IEC 118-0/A1 and to DIN 45605 (frequency range) if applicable.
- ▶ Tinnitus noiser measurement conditions: all tinnitus single frequency sliders in max position, master volume slider in default position (0 dB) and local volume control in default position.
- ▶ The following ear pieces were used:
 - Earhook

Sound Profile System

The Sound Profile System is a new and innovative way of adjusting hearing instruments for the client's individual hearing loss whilst providing optimal speech comfort. All Sound Profiles are engineered and fine-tuned for optimal speech understanding, sound quality and feedback stability.

The Sound Profile System is based on the analysis of 18,000 hearing losses. Depending on the performance level of the product, it will offer 3, 4 or 6 preconfigured Sound Profiles for each hearing instrument model. Each preconfigured Sound Profile covers a range of typical hearing losses and differs in gain, compression and MPO settings.

Studies have shown that for hearing instruments in this segment, the Sound Profile System was preferred over conventional fittings.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice. The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

Legal Manufacturer

Signia GmbH
Henri-Dunant-Strasse 100
91058 Erlangen
Germany
Phone +49 9131 308 0

Order No. 03027-99T4-7600
© 06.2019, Signia GmbH
All rights reserved

www.signia-hearing.com



Warning

Choking hazard posed by small parts.

- ▶ This instrument is not intended for the fitting of infants, children under 3 years and persons of mental incapacity.



Warning

Instrument has an output sound pressure level of 132 dB SPL or more.

Risk of impairing the residual hearing of the user.

- ▶ Take special care when fitting this instrument.