

# Prompt S / P / SP

## Technical Data



### Prompt S

#### Earhook damped

- 62 dB / 132 dB SPL (ear simulator)
- 55 dB / 124 dB SPL (2 ccm coupler)

#### ThinTube

- 53 dB / 125 dB SPL (ear simulator)
- 45 dB / 124 dB SPL (2 ccm coupler)

### Prompt P

#### Earhook undamped

- 75 dB / 138 dB SPL (ear simulator)
- 70 dB / 134 dB SPL (2 ccm coupler)

### Prompt SP

#### Earhook undamped

- 84 dB / 144 dB SPL (ear simulator)
- 80 dB / 140 dB SPL (2 ccm coupler)

# Prompt S | Technical Data

| Type                                             | Earhook damped                                                                    |               | ThinTube                                                                            |               |
|--------------------------------------------------|-----------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|---------------|
|                                                  |  |               |  |               |
|                                                  | 2 ccm coupler                                                                     | Ear simulator | 2 ccm coupler                                                                       | Ear simulator |
| <b>Output sound pressure level</b>               |                                                                                   |               |                                                                                     |               |
| at 1.6 kHz                                       | –                                                                                 | 129 dB SPL    | –                                                                                   | 116 dB SPL    |
| Peak                                             | 124 dB SPL                                                                        | 132 dB SPL    | 124 dB SPL                                                                          | 125 dB SPL    |
| HFA-OSPL 90                                      | 121 dB SPL                                                                        | –             | 113 dB SPL                                                                          | –             |
| <b>Gain</b>                                      |                                                                                   |               |                                                                                     |               |
| Full on gain (FOG) at 1.6 kHz                    | –                                                                                 | 49 dB         | –                                                                                   | 48 dB         |
| Full on gain (Peak)                              | 55 dB                                                                             | 62 dB         | 45 dB                                                                               | 53 dB         |
| HFA-FOG                                          | 42 dB                                                                             | –             | 41 dB                                                                               | –             |
| Reference test gain                              | 42 dB                                                                             | 42 dB         | 36 dB                                                                               | 41 dB         |
| <b>Frequency, noise and directivity</b>          |                                                                                   |               |                                                                                     |               |
| Frequency range                                  | 100-7100 Hz                                                                       | 1000-7100 Hz  | 100-7100 Hz                                                                         | 280-7100 Hz   |
| Equivalent input noise                           | 20 dB SPL                                                                         | 23 dB SPL     | 15 dB SPL                                                                           | 15 dB SPL     |
| Total harmonic distortion at 500 / 800 / 1600 Hz | 2 / 1 / 1 %                                                                       | 2 / 1 / 1 %   | 1 / 1 / 2 %                                                                         | 1 / 1 / 2 %   |
| Tinnitus noiser broadband                        | –                                                                                 | –             | –                                                                                   | –             |
| AI-DI                                            | 3.5 dB                                                                            |               | 3.5 dB                                                                              |               |
| <b>Inductive coil sensitivity</b>                |                                                                                   |               |                                                                                     |               |
| MASL (1 mA/m) at 1.6 kHz                         | –                                                                                 | –             | –                                                                                   | –             |
| HFA MASL (1 mA/m)                                | –                                                                                 | –             | –                                                                                   | –             |
| HFA SPLITS (left/right)                          | –                                                                                 | –             | –                                                                                   | –             |
| RSETS (left/right)                               | –                                                                                 | –             | –                                                                                   | –             |
| <b>Battery</b>                                   |                                                                                   |               |                                                                                     |               |
| Battery voltage                                  | 1.3 V                                                                             |               | 1.3 V                                                                               |               |
| Battery current drain                            | 0.9 mA                                                                            |               | 0.9 mA                                                                              |               |
| Battery life (cell zinc air)                     | ~125 h                                                                            |               | ~125 h                                                                              |               |
| Battery life (rechargeable)                      | –                                                                                 |               | –                                                                                   |               |
| <b>IRIL IEC 118-13:2011 (bystander)</b>          |                                                                                   |               |                                                                                     |               |
| 800-960 MHz                                      | <-10 dB SPL                                                                       |               | <-10 dB SPL                                                                         |               |
| 1400-2000 MHz                                    | <-10 dB SPL                                                                       |               | <-10 dB SPL                                                                         |               |
| ANSI C63.19                                      | M3                                                                                |               | M3                                                                                  |               |

# Prompt 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

–

133 dB SPL

134 dB SPL

138 dB SPL

127 dB SPL

–

–

69 dB

70 dB

75 dB

64 dB

–

50 dB

58 dB

110-6000 Hz

170-6700 Hz

24 dB SPL

24 dB SPL

3 / 2 / 1 %

4 / 4 / 1 %

–

–

3.5 dB

–

97 dB SPL

93 dB SPL

–

110 / 107 dB SPL

–

0 / -3 dB

–

1.3 V

1.4 mA

~160 h

–

<-35 dB SPL

<-24 dB SPL

M3 / T3

# Prompt SP | Technical Data

## Type

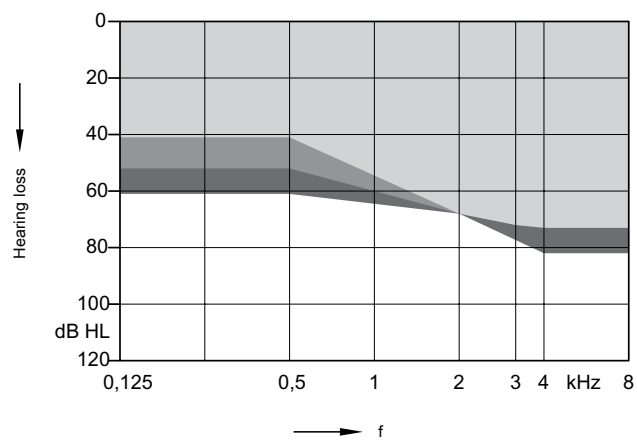
## Earhook undamped



|                                                  | 2 ccm coupler    | Ear simulator |
|--------------------------------------------------|------------------|---------------|
| <b>Output sound pressure level</b>               |                  |               |
| at 1.6 kHz                                       | –                | 139 dB SPL    |
| Peak                                             | 140 dB SPL       | 144 dB SPL    |
| HFA-OSPL 90                                      | 133 dB SPL       | –             |
| <b>Gain</b>                                      |                  |               |
| Full on gain (FOG) at 1.6 kHz                    | –                | 76 dB         |
| Full on gain (Peak)                              | 80 dB            | 84 dB         |
| HFA-FOG                                          | 72 dB            | –             |
| Reference test gain                              | 56 dB            | 64 dB         |
| <b>Frequency, noise and directivity</b>          |                  |               |
| Frequency range                                  | 100-5400 Hz      | 100-5700 Hz   |
| Equivalent input noise                           | 24 dB SPL        | 26 dB SPL     |
| Total harmonic distortion at 500 / 800 / 1600 Hz | 3 / 2 / 1 %      | 7 / 3 / 2 %   |
| Tinnitus noiser broadband                        | –                | –             |
| AI-DI                                            | 3.6 dB           |               |
| <b>Inductive coil sensitivity</b>                |                  |               |
| MASL (1 mA/m) at 1.6 kHz                         | –                | 107 dB SPL    |
| HFA MASL (1 mA/m)                                | 102 dB SPL       | –             |
| HFA SPLITS (left/right)                          | 115 / 112 dB SPL | –             |
| RSETS (left/right)                               | -1 / -4 dB       | –             |
| <b>Battery</b>                                   |                  |               |
| Battery voltage                                  | 1.3 V            |               |
| Battery current drain                            | 2.4 mA           |               |
| Battery life (cell zinc air)                     | ~160 h           |               |
| Battery life (rechargeable)                      | –                |               |
| <b>IRIL IEC 118-13:2011 (bystander)</b>          |                  |               |
| 800-960 MHz                                      | <-34 dB SPL      |               |
| 1400-2000 MHz                                    | <-34 dB SPL      |               |
| ANSI C63.19                                      | M3 / T4          |               |

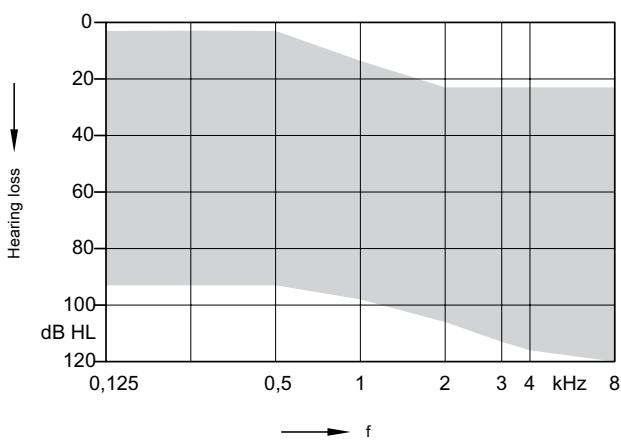
# Fitting Range

Prompt S



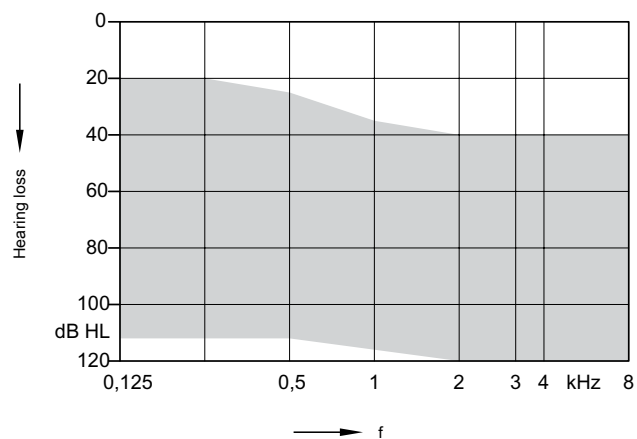
ThinTube open  
ThinTube double  
Earhook damped

Prompt P



Earhook undamped

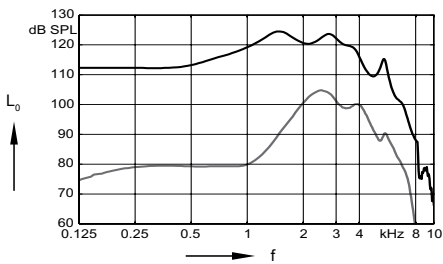
Prompt SP



Earhook undamped

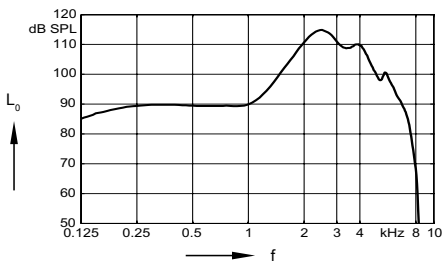
# Prompt S (Earhook damped) | Basic Data

## 2 ccm coupler



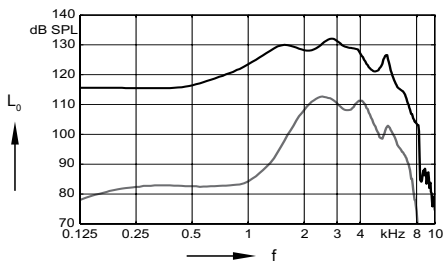
Output sound pressure level  
(L<sub>i</sub> = 90 dB)

Full on gain  
(L<sub>i</sub> = 50 dB)



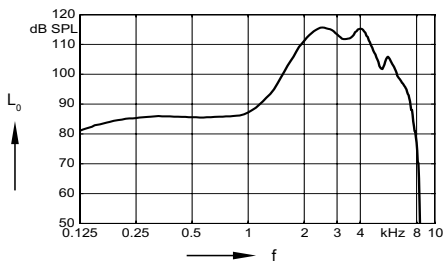
Frequency response  
(L<sub>i</sub> = 60 dB)

## Ear simulator



Output sound pressure level  
(L<sub>i</sub> = 90 dB)

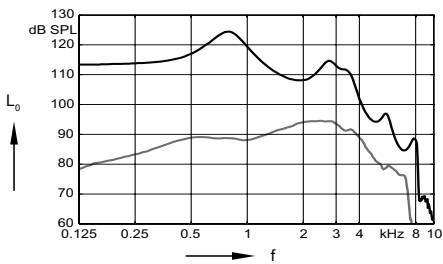
Full on gain  
(L<sub>i</sub> = 50 dB)



Basic acoustic response  
(L<sub>i</sub> = 60 dB)

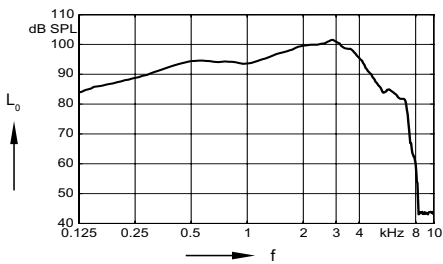
# Prompt S (ThinTube) | Basic Data

## 2 ccm coupler



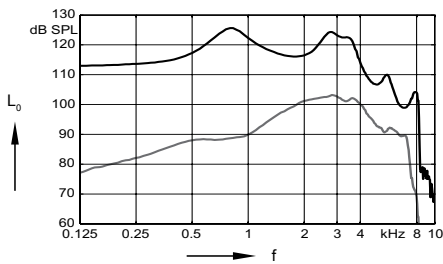
Output sound pressure level  
(L<sub>i</sub> = 90 dB)

Full on gain  
(L<sub>i</sub> = 50 dB)



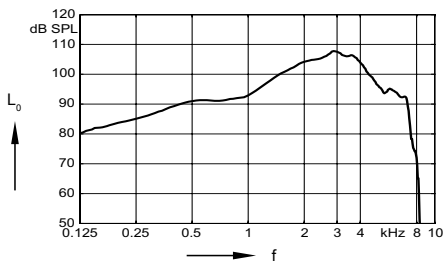
Frequency response  
(L<sub>i</sub> = 60 dB)

## Ear simulator



Output sound pressure level  
(L<sub>i</sub> = 90 dB)

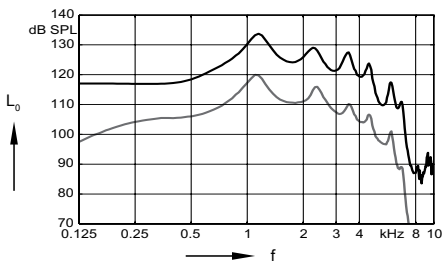
Full on gain  
(L<sub>i</sub> = 50 dB)



Basic acoustic response  
(L<sub>i</sub> = 60 dB)

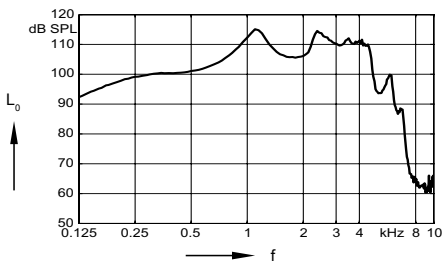
# Prompt P (Earhook undamped) | Basic Data

## 2 ccm coupler



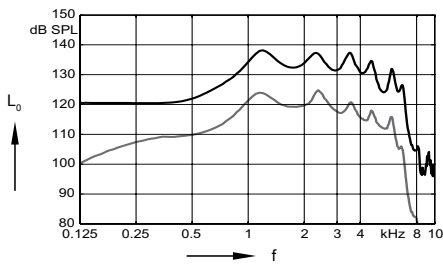
Output sound pressure level  
(L<sub>i</sub> = 90 dB)

Full on gain  
(L<sub>i</sub> = 50 dB)



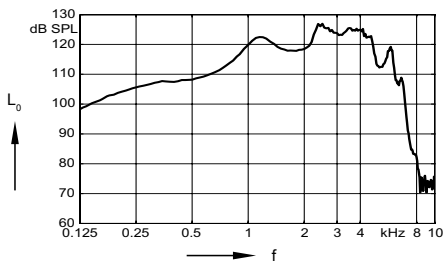
Frequency response  
(L<sub>i</sub> = 60 dB)

## Ear simulator



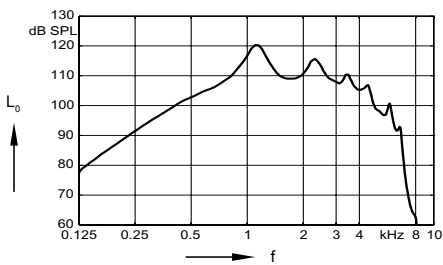
Output sound pressure level  
(L<sub>i</sub> = 90 dB)

Full on gain  
(L<sub>i</sub> = 50 dB)

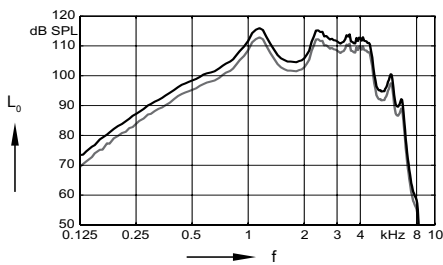


Basic acoustic response  
(L<sub>i</sub> = 60 dB)

## Inductive response



Inductive response  
(H = 10 mA/m)



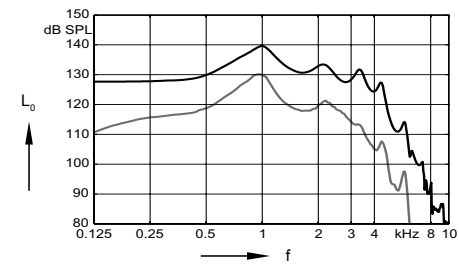
SPLITS curve left  
(H = 31.6 mA/m)

SPLITS curve right  
(H = 31.6 mA/m)



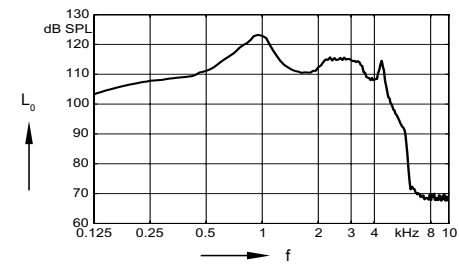
# Prompt SP (Earhook undamped) | Basic Data

## 2 ccm coupler



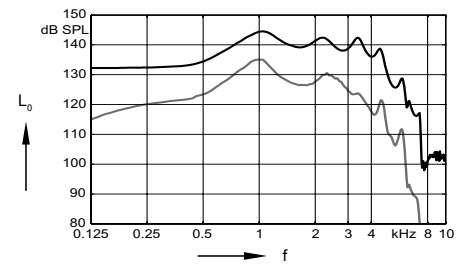
Output sound pressure level  
( $L_i = 90$  dB)

Full on gain  
( $L_i = 50$  dB)



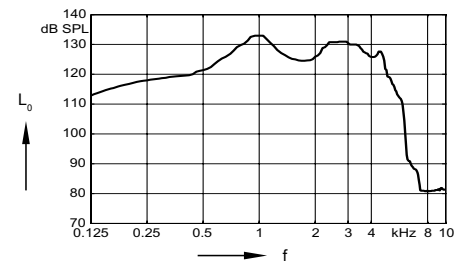
Frequency response  
( $L_i = 60$  dB)

## Ear simulator



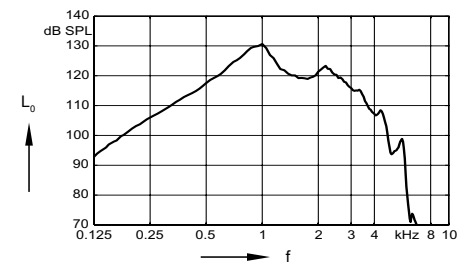
Output sound pressure level  
( $L_i = 90$  dB)

Full on gain  
( $L_i = 50$  dB)

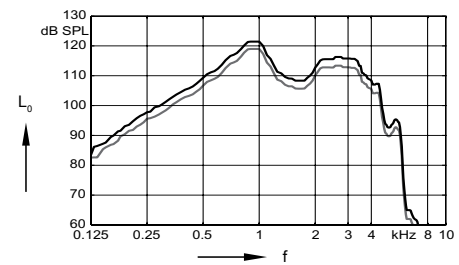


Basic acoustic response  
( $L_i = 60$  dB)

## Inductive response



Inductive response  
( $H = 10$  mA/m)



SPLITS curve left  
( $H = 31.6$  mA/m)

SPLITS curve right  
( $H = 31.6$  mA/m)

## Prompt S / P / SP | Features and Accessories

|                                                                 | Prompt S / P / SP |
|-----------------------------------------------------------------|-------------------|
| <b>Audiology</b>                                                |                   |
| <b>Signal processing</b> (channels) / <b>Gain/MPO</b> (handles) | 8 / 4             |
| <b>Hearing programs</b>                                         | 4                 |
| <b>SpeechMaster</b>                                             | —                 |
| <b>HD Music</b> (presets)                                       | —                 |
| <b>TwinPhone<sup>1)</sup></b>                                   | —                 |
| <b>EchoShield</b>                                               | —                 |
| <b>Wireless CROS/BICROS<sup>2)</sup></b>                        | —                 |
| <b>Directionality</b> (channels)                                | 8                 |
| <b>Narrow Directionality<sup>1)</sup></b>                       | —                 |
| <b>Directional microphone</b>                                   | —                 |
| <b>Spatial SpeechFocus<sup>1)</sup></b>                         | —                 |
| <b>SpeechFocus</b>                                              | —                 |
| <b>TruEar™</b>                                                  | —                 |
| <b>Frequency compression</b>                                    | —                 |
| <b>Extended bandwidth</b>                                       | —                 |
| <b>Feedback cancellation</b>                                    | ●                 |
| <b>eWindScreen binaural<sup>1)</sup></b>                        | —                 |
| <b>eWindScreen™</b> (steps)                                     | —                 |
| <b>Noise Reduction</b> (channels / steps)                       | —                 |
| <b>Speech and noise management</b> (steps)                      | on / off          |
| <b>SoundSmoothing™</b> (steps)                                  | —                 |
| <b>Directional speech enhancement</b> (steps)                   | —                 |
| <b>Adaptive streaming volume<sup>3)</sup></b>                   | —                 |
| <b>SoundBrilliance™ <sup>3)</sup></b>                           | —                 |
| <b>Sound equalizer</b> (classes)                                | —                 |
| <b>Spatial Configurator<sup>1)</sup></b>                        | —                 |
| <b>Span<sup>4)</sup></b>                                        | —                 |
| <b>Direction<sup>5)</sup></b>                                   | —                 |
| <b>SoundBalance</b>                                             | —                 |
| <b>Fitting</b>                                                  |                   |
| <b>Insitugram</b>                                               | ●                 |
| <b>Learning</b> (classes) / <b>Data logging</b>                 | — / ●             |
| <b>Acclimatization manager</b>                                  | —                 |
| <b>Tinnitus</b>                                                 |                   |
| <b>Tinnitus noiser</b>                                          |                   |
| <b>Static therapy signal</b> (handles / presets)                | —                 |
| <b>Ocean Waves therapy signal</b> (presets)                     | —                 |

# Prompt S / P / SP | Features and Accessories

|                                       | Prompt S | Prompt P | Prompt SP |
|---------------------------------------|----------|----------|-----------|
| <b>Style Specific Features</b>        |          |          |           |
| Ingress Protection Rating             | IP67     | —        | —         |
| Telecoil                              | —        | ●        | ●         |
| AutoPhone™                            | —        | —        | —         |
| Charging contacts                     | —        | —        | —         |
| Battery Size                          | 312      | 13       | 675       |
| Battery door on/off function          | ●        | ●        | ●         |
| Nanocoated housing                    | ●        | ●        | ●         |
| e2e wireless™ 3.0                     | —        | —        | —         |
| Audio streaming                       | —        | —        | —         |
| User controls coupling via e2e        | —        | —        | —         |
| Wireless programming via ConnexxLink™ | —        | —        | —         |
| <b>Instrument configurations</b>      |          |          |           |
| Flat cover                            | —        | —        | —         |
| Volume wheel                          | —        | —        | —         |
| Push button                           | ●        | ●        | ●         |
| Rocker switch                         | —        | ●        | ●         |
| Color conversion kit                  | —        | —        | —         |
| Battery door – direct audio input     | —        | ○        | ○         |
| Battery door – child lock             | —        | —        | —         |
| <b>Programming Accessories</b>        |          |          |           |
| ConnexxLink                           | —        | —        | —         |
| Programming adapter                   | ●        | ●        | ●         |
| <b>Accessories</b>                    |          |          |           |
| miniPocket                            | ○        | ○        | ○         |
| CROS Pure                             | —        | —        | —         |
| eCharger                              | —        | —        | —         |
| easyPocket™                           | —        | —        | —         |
| easyTek                               | —        | —        | —         |
| TV Transmitter (req. easyTek)         | —        | —        | —         |
| Transmitter (req. easyTek)            | —        | —        | —         |
| VoiceLink™ (req. easyTek)             | —        | —        | —         |
| <b>App</b>                            |          |          |           |
| MobileFitting App                     | —        | —        | —         |
| easyTek App (req. easyTek)            | —        | —        | —         |
| touchControl App                      | ○        | ○        | ○         |

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

<sup>1)</sup> req. bilateral fitting and e2e™ 3.0

<sup>2)</sup> req. CROS Pure accessory

<sup>3)</sup> streaming only, req. easyTek™

<sup>4)</sup> req. easyTek & easyTek App, touchControl App or rocker switch

<sup>5)</sup> req. easyTek & easyTek App or touchControl App

[illegible]

# 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:
  - ThinTube
  - Earhook

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

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[www.signia-hearing.com](http://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.