

## INARA Slim



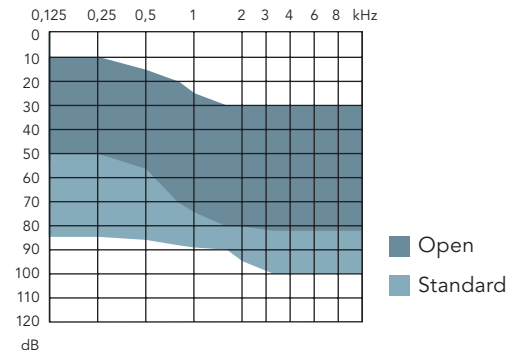
### Brief Description

- Elegant Business Class Design hearing system
- Uses XearA technology
- Suitable for mild to moderately severe hearing loss
- Hightech signal processing in 32 channels
- 16 fully programmable channels (Gain/AGC) for maximal use of residual dynamic range
- Using Bluetooth via Remote Control
- Bi-Com for binaural synchronization of the hearing systems
- Frequency compression for improvement of speech intelligibility and perception of environmental sounds – Sound Restore
- Expanded Acclimatization Manager for automatic adjustment towards the target frequency response
- Expanded Situation Optimizer for automatic frequency response adjustment in changing acoustic environments
- New fitting philosophies for optimal understanding, high acceptance and benefit – XpressFit
- InSitu audiometry for measurement of individual hearing loss, using the actual hearing system – fast and individual
- Innovative algorithms for speech detection, noise reduction and revolutionary directional microphone system – Speech Beam
- Technological milestone in feedback suppression system – Feedback X
- 6 programs
- Programmable rocker switch (VC, program pushbutton)
- T-Coil
- PhoneConnect
- Wireless programming with ConnexxLink possible in addition to HI-PRO and NOAHLink

INARA Slim is in some countries only available as non-wireless version. The function Bi-Com and the remote controls can't be offered in this case. Marking: White dot on battery compartment



### Fitting Range



### L<sub>Omax</sub> / G<sub>max</sub>

Earhook: 130/60  
Open tube: 125/51

### Description

Fitting: Computer (PC, notebook) with battery adapter size 312  
Channels (G/AGC): 16/16  
No. of programs: 6  
No. of microphones: 2  
VC: yes (rocker switch)  
Program pushbutton: yes (rocker switch)  
Audio input: no

### Homologation Approval Germany

DH-No. 5183

### Options

- Color Exchange Kits

### Accessories

- Different remote controls
- HADEO care range
- Different Open tubes
- Different tips



Measuring settings

Applicable standards

If not mentioned differently in the individual diagrams, the following adjustments are effective:  
Adaptive parameters: **off**  
**Full on Gain** (CONNEX Test setting)

Ear simulator measurement **EN 60118-0: 1994**  
2 cc coupler measurement **EN 60118-7: 2005**  
**ANSI-Standard (S3.22-2003)**

Ear-Simulator EN 60118-0: 1994	Technical Specifications		2 cc-Coupler ANSI-Standard (S3.22-2003) / EN 60118-7: 2005															
<p><b>Max. Output OSPL 90 / Maximum Acoustic Gain</b></p>	<p><b>Maximum output [ dB SPL ]</b></p> <table border="1"> <tr><td>138</td><td>Peak</td><td>130</td></tr> <tr><td>134</td><td>1600 Hz</td><td>-</td></tr> <tr><td>-</td><td>HF-Average SSPL90</td><td>126</td></tr> </table>		138	Peak	130	134	1600 Hz	-	-	HF-Average SSPL90	126	<p><b>Max. Output OSPL 90 / Maximum Acoustic Gain</b></p>						
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<p><b>Reference Test Gain</b></p>	<p><b>Gain [dB] input: 50 dB SPL</b></p> <table border="1"> <tr><td>68</td><td>Peak</td><td>60</td></tr> <tr><td>61</td><td>1600 Hz</td><td>-</td></tr> <tr><td>-</td><td>HF-Average Full on Gain</td><td>54</td></tr> <tr><td>54</td><td>Reference Test Gain</td><td>49</td></tr> </table>		68	Peak	60	61	1600 Hz	-	-	HF-Average Full on Gain	54	54	Reference Test Gain	49	<p><b>Reference Test Gain</b></p>			
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<p><b>Reference Test Gain of Telecoil</b></p>	<p><b>Frequency range [Hz]</b></p> <table border="1"> <tr><td>125</td><td>Low frequency limit</td><td>100</td></tr> <tr><td>8.200</td><td>High frequency limit</td><td>6.800</td></tr> </table>		125	Low frequency limit	100	8.200	High frequency limit	6.800	<p><b>Reference Test Gain of Telecoil / SPLITS curve</b></p>									
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<p><b>Remark</b> This hearing instrument is able to achieve an output sound pressure level of more than 132 dB SPL. In order to exclude an increase of hearing loss special attention has to be given to protection of the residual hearing upon fitting.</p>	<p><b>Total harmonic distortion [%]</b></p> <table border="1"> <tr><td>3,3</td><td>500 Hz</td><td>3,3</td></tr> <tr><td>1,5</td><td>800 Hz</td><td>1,5</td></tr> <tr><td>0,9</td><td>1600 Hz</td><td>0,9</td></tr> </table>		3,3	500 Hz	3,3	1,5	800 Hz	1,5	0,9	1600 Hz	0,9	<p><b>Steady state I/O AGC characteristics</b></p>						
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# INARA Slim with Open tube

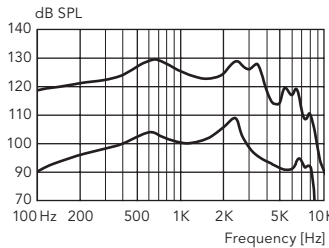
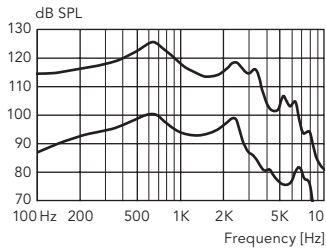
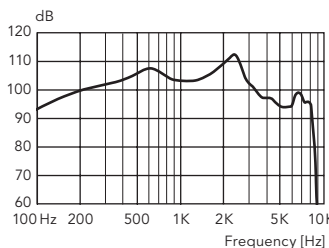
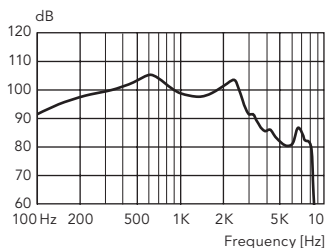
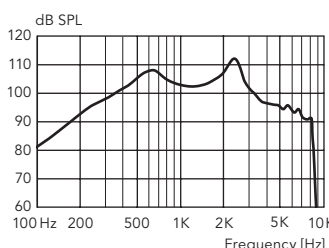
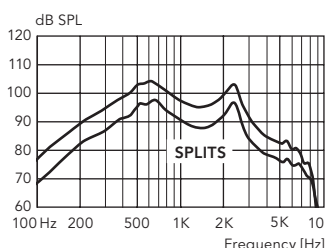
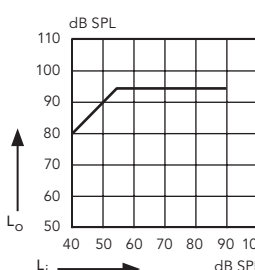


## Measuring settings

If not mentioned differently in the individual diagrams, the following adjustments are effective:  
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## Applicable standards

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**ANSI-Standard (S3.22-2003)**

Ear-Simulator EN 60118-0: 1994	Technical Specifications		2 cc-Coupler ANSI-Standard (S3.22-2003) / EN 60118-7: 2005
<b>Max. Output OSPL 90 / Maximum Acoustic Gain</b> 	<b>Maximum output [ dB SPL ]</b> <b>130</b> Peak <b>123</b> 1600 Hz <b>-</b> HF-Average SSPL90		<b>Max. Output OSPL 90 / Maximum Acoustic Gain</b> 
<b>Reference Test Gain</b> 	<b>Gain [dB] input: 50 dB SPL</b> <b>59</b> Peak <b>53</b> 1600 Hz <b>-</b> HF-Average Full on Gain <b>46</b> Reference Test Gain		<b>Reference Test Gain</b> 
<b>Reference Test Gain of Telecoil</b> 	<b>Frequency range [Hz]</b> <b>100</b> Low frequency limit <b>8.400</b> High frequency limit		<b>Reference Test Gain of Telecoil / SPLITS curve</b> 
	<b>Total harmonic distortion [%]</b> <b>1,5</b> 500 Hz <b>2,5</b> 800 Hz <b>1,5</b> 1600 Hz		<b>Steady state I/O AGC characteristics</b> 
	<b>Equivalent input noise [dB]</b> <b>24</b>		
	<b>Max. telecoil sensitivity [dB SPL]</b> <b>109</b> Peak <b>102</b> 1600 Hz <b>-</b> MASL (60118-7) <b>-</b> ETLS (60118-7) <b>-</b> HFA-SPLITS (ANSI) <b>90</b>		
	<b>Total harmonic distortion of telecoil [%] input: 100mA/m</b> <b>1,0</b> 500 Hz <b>2,9</b> 800 Hz <b>5,5</b> 1600 Hz		
	<b>Battery type</b> <b>312</b>		
	<b>Battery voltage [V]</b> <b>1,35</b>		
	<b>Battery current [mA]</b> <b>0,95</b>		
	<b>Sensitivity of audio input [mV]</b> <b>-</b>		
	<b>AGC-O Attack- and Release time [ms]</b> <b>-</b> Attack time <b>-</b> Release time <b>10</b> <b>100</b>		