



Technical Data

Phonak Audéo Q

Phonak Audéo Q-10 (Q90/Q70/Q50/Q30) (xS)

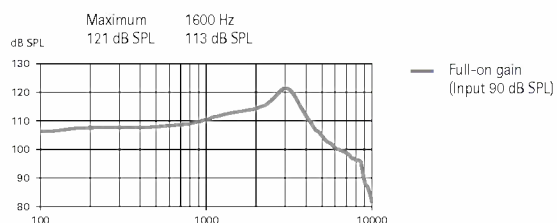
Receiver-In-Canal (RIC) instrument with size 10A battery (for fitting range, product details and available options, please see the Product Information or visit www.phonakpro.com)

RIC instruments can be fitted with a Standard, Power or SuperPower external receiver (xReceiver). The Standard xReceiver (xS) is for mild to moderately severe hearing loss. Unless otherwise specified, all data obtained are measured in a closed configuration with a coupling disc onto a HA-1 coupler (ANSI-S3.7-1995) or an occluded ear simulator (EN 60711, coupling arrangement according to fig. 4 in the test standard), and in the Phonak Target measurement settings.

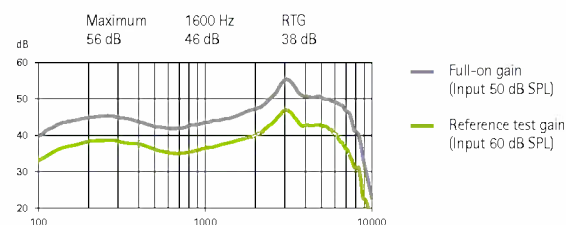
Ear simulator data

EN / IEC 60118 and IEC 60711

Output sound pressure level



Acoustic gain



| | | | |
|------------------------------|-------------------|--------|---------|
| Frequency range | <100 Hz - 8800 Hz | | |
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 1.5% | 2% | 2% |
| Battery current | Quiescent Working | | |
| | 0.9 mA | 1 mA | |
| Equivalent input noise level | 19 dB SPL | | |

Dynamic data

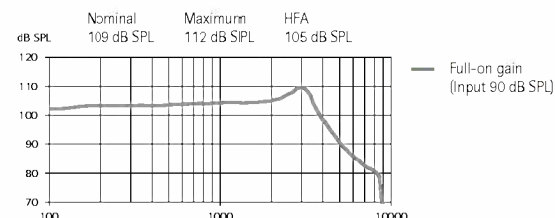
| | | |
|-------------|-------------|---------------|
| Compression | Attack time | Recovery time |
| | 10 ms | 50 ms |

Using pure tone measurements with a digital hearing instrument can result in a wavy frequency response. This is an artifact resulting from the use of a narrowband input signal and does not affect the actual performance with naturally occurring broadband input signals.

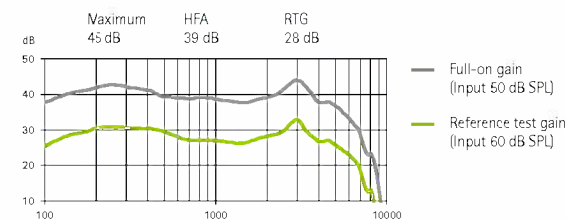
2cm³ coupler data

ANSI S3.22-2009

Output sound pressure level



Acoustic gain

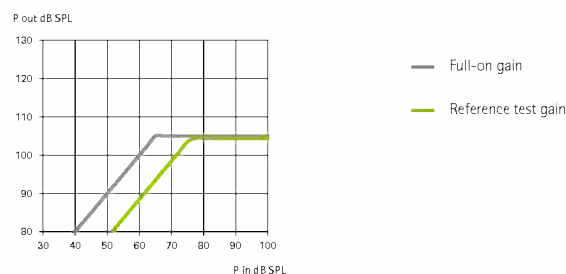


| | | | |
|------------------------------|-------------------|--------|---------|
| Frequency range | <100 Hz - 8500 Hz | | |
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 1.5% | 2% | 2% |
| Battery current | Quiescent Working | | |
| | 0.9 mA | 1 mA | |
| Equivalent input noise level | 19 dB SPL | | |

Dynamic data

| | | |
|-------------|-------------|---------------|
| Compression | Attack time | Recovery time |
| | 10 ms | 50 ms |

Input / Output characteristics at 2000 Hz



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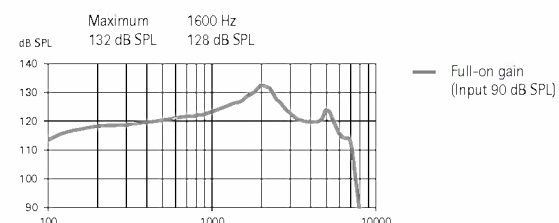
Phonak Audéo Q-10 (Q90/Q70/Q50/Q30) (xP)

The Power xReceiver (xP) is for mild to severe hearing loss.

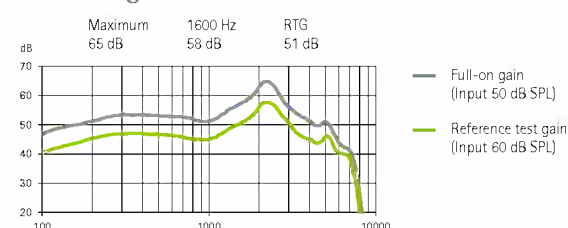
Ear simulator data

EN / IEC 60118 and IEC 60711

Output sound pressure level



Acoustic gain



| | | | |
|------------------------------|-------------------|---------|---------|
| Frequency range | <100 Hz - 7200 Hz | | |
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 1.5% | 1.5% | 1% |
| Battery current | Quiescent | Working | |
| | 1 mA | 1.1 mA | |
| Equivalent input noise level | 19 dB SPL | | |

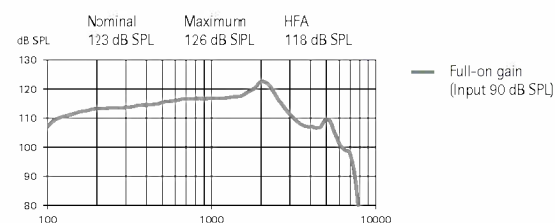
Dynamic data

| | | |
|-------------|-------------|---------------|
| Compression | Attack time | Recovery time |
| | 10 ms | 50 ms |

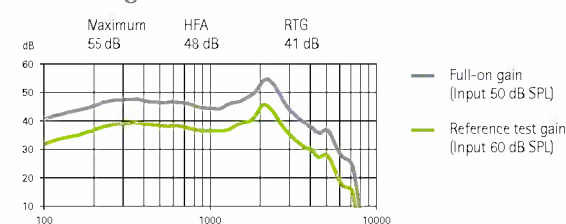
2cm³ coupler data

ANSI S3.22-2009

Output sound pressure level



Acoustic gain

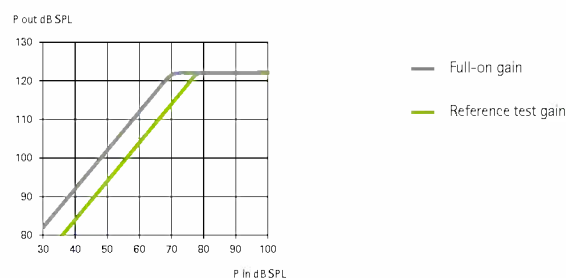


| | | | |
|------------------------------|-------------------|---------|---------|
| Frequency range | <100 Hz - 6000 Hz | | |
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 1% | 1% | 1% |
| Battery current | Quiescent | Working | |
| | 1 mA | 1.1 mA | |
| Equivalent input noise level | 19 dB SPL | | |

Dynamic data

| | | |
|-------------|-------------|---------------|
| Compression | Attack time | Recovery time |
| | 10 ms | 50 ms |

Input / Output characteristics at 2000 Hz



PHONAK

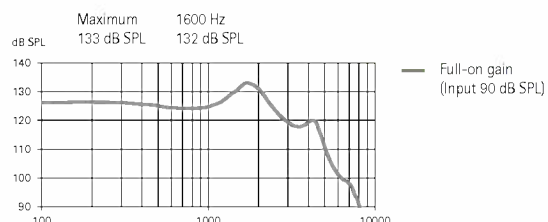
Phonak Audéo Q-10 (Q90/Q70/Q50/Q30) (xSP)

The SuperPower xReceiver (xSP) is for moderate to severe hearing loss.

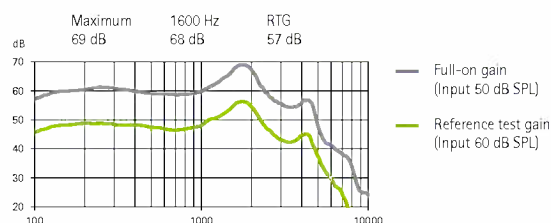
Ear simulator data

EN / IEC 60118 and IEC 60711

Output sound pressure level



Acoustic gain



| | | | |
|------------------------------|-------------------|---------|---------|
| Frequency range | <100 Hz - 5000 Hz | | |
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 1% | 1% | 0.5% |
| Battery current | Quiescent | Working | |
| | 0.9 mA | 1 mA | |
| Equivalent input noise level | 19 dB SPL | | |

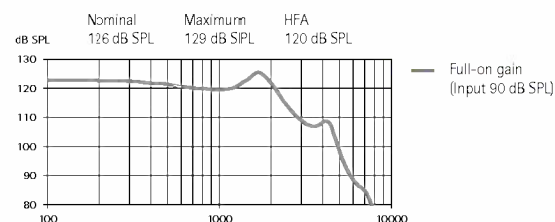
Dynamic data

| | | |
|-------------|-------------|---------------|
| Compression | Attack time | Recovery time |
| | 10 ms | 50 ms |

2cm³ coupler data

ANSI S3.22-2009

Output sound pressure level



Acoustic gain

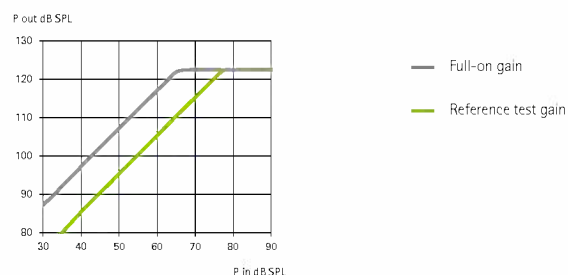


| | | | |
|------------------------------|-------------------|---------|---------|
| Frequency range | <100 Hz – 5500 Hz | | |
| Total harmonic distortion | 500 Hz | 800 Hz | 1600 Hz |
| | 0.5% | 0.5% | 0.5% |
| Battery current | Quiescent | Working | |
| | 0.9 mA | 1 mA | |
| Equivalent input noise level | 19 dB SPL | | |

Dynamic data

| | | |
|-------------|-------------|---------------|
| Compression | Attack time | Recovery time |
| | 10 ms | 50 ms |

Input / Output characteristics at 2000 Hz



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