



# MICRO RIC 312t

## RECEIVER-IN-CANAL

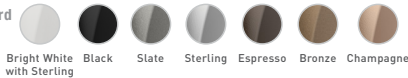
**MUSE iQ** | **i2400** | **i2000** | **i1600**

### Patient Features

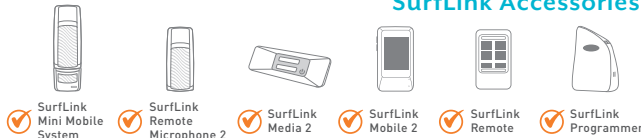
- Tinnitus Technology
- Telecoil
- CROS System
- Wireless Connectivity
- Rechargeable Option

### Color Guide

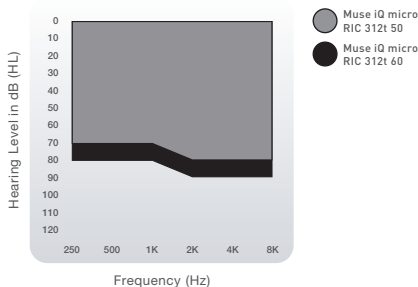
#### Standard Colors



### SurfLink Accessories



### Fitting Range



### 50 Gain Data

### 60 Gain Data

#### Measurement

|                       | ANSI/IEC<br>2cc Coupler | IEC OES<br>Coupler | ANSI/IEC<br>2cc Coupler | IEC OES<br>Coupler |
|-----------------------|-------------------------|--------------------|-------------------------|--------------------|
| Peak OSPL90 (dB SPL)  | 115                     | 127                | 120                     | 131                |
| HFA OSPL90 (dB SPL)   | 109                     | N/A                | 117                     | N/A                |
| RTF OSPL90 (dB SPL)   | N/A                     | 119                | N/A                     | 127                |
| Peak Gain (dB)        | 50                      | 63                 | 60                      | 71                 |
| HFA Full-On Gain (dB) | 45                      | N/A                | 56                      | N/A                |
| RTF Full-On Gain (dB) | N/A                     | 55                 | N/A                     | 65                 |

| Frequency Range (Hz)        | <100-9600     | <100-9600 | <100-9200     | <100-9600 |
|-----------------------------|---------------|-----------|---------------|-----------|
| Reference Test Freq. (kHz)  | N/A           | 1.6       | N/A           | 1.6       |
| HFA Frequencies (kHz)       | 1.0, 1.6, 2.5 | N/A       | 1.0, 1.6, 2.5 | N/A       |
| Reference Test Gain (dB)    | 32            | 44        | 40            | 52        |
| Equivalent Input Noise (dB) | 26            | 26        | 26            | 26        |

#### Harmonic Distortion

|             |    |    |    |    |
|-------------|----|----|----|----|
| 500 Hz (%)  | <3 | <3 | <3 | <3 |
| 800 Hz (%)  | <3 | <3 | <3 | <3 |
| 1600 Hz (%) | <3 | <3 | <3 | <3 |

#### Induction Coil Sensitivity

|                               |      |      |      |      |
|-------------------------------|------|------|------|------|
| HFA SPLITS (ANSI) (dB SPL)    | 92   | N/A  | 100  | N/A  |
| MASL (IEC) (dB SPL)           | N/A  | 85   | N/A  | 95   |
| ANSI/IEC Battery Current (mA) | 1.7* | 1.5* | 1.9* | 1.7* |
| Idle Current (mA)             | 1.4* | 1.4* | 1.5* | 1.5* |

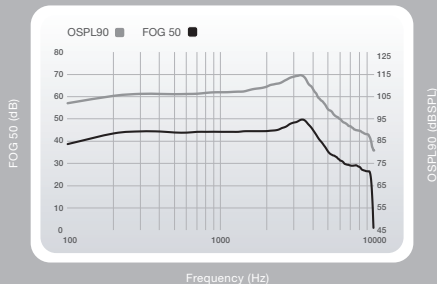
#### Estimated Battery Life for 16-Hour Day

|                     |      |      |      |      |
|---------------------|------|------|------|------|
| 312 Zinc Air (days) | 6-8* | 6-8* | 5-7* | 5-7* |
|---------------------|------|------|------|------|

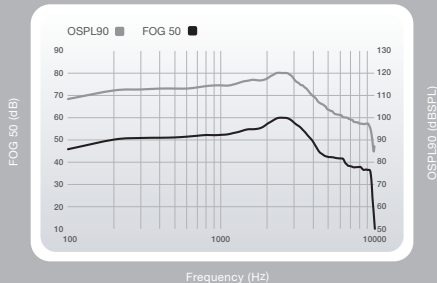
#### Tinnitus Therapy Stimulus

|                                    |    |    |    |    |
|------------------------------------|----|----|----|----|
| Max RMS Output (dB SPL)            | 87 | 87 | 87 | 87 |
| Weighted RMS Output Level (dB SPL) | 87 | 87 | 87 | 87 |
| Max 1/3 Octave Output (dB SPL)     | 87 | 87 | 87 | 87 |

► **Matrices: 115/50, 120/60** ► **Battery Size: 312**



OSPL90 (gray) and Full-On Gain (black) curves for the Muse iQ micro RIC 312t at 115/50.



OSPL90 (gray) and Full-On Gain (black) curves for the Muse iQ micro RIC 312t at 120/60.



# MICRO RIC 312t AP

RECEIVER-IN-CANAL

ABSOLUTE POWER

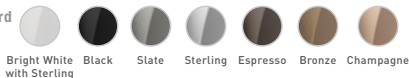
MUSE iQ | i2400 | i2000 | i1600

## Patient Features

- Tinnitus Technology
- Telecoil
- CROS System
- Wireless Connectivity
- Rechargeable Option

## Color Guide

Standard Colors



SurfLink Mini Mobile System



SurfLink Remote Microphone 2



SurfLink Media 2



SurfLink Mobile 2



SurfLink Remote



SurfLink Programmer

## SurfLink Accessories

## 60 Gain Data

## 70 Gain Data

### Measurement

|                             | ANSI/IEC<br>2cc Coupler | IEC OES<br>Coupler | ANSI/IEC<br>2cc Coupler | IEC OES<br>Coupler |
|-----------------------------|-------------------------|--------------------|-------------------------|--------------------|
| Peak OSPL90 (dB SPL)        | 123                     | 133                | 130                     | 140                |
| HFA OSPL90 (dB SPL)         | 117                     | N/A                | 124                     | N/A                |
| RTF OSPL90 (dB SPL)         | N/A                     | 130                | N/A                     | 139                |
| Peak Gain (dB)              | 60                      | 70                 | 70                      | 81                 |
| HFA Full-On Gain (dB)       | 54                      | N/A                | 65                      | N/A                |
| RTF Full-On Gain (dB)       | N/A                     | 66                 | N/A                     | 78                 |
| Frequency Range (Hz)        | <100-5500               | <100-5700          | <100-5800               | <100-5700          |
| Reference Test Freq. (kHz)  | N/A                     | 1.6                | N/A                     | 1.6                |
| HFA Frequencies (kHz)       | 1.0,1.6,2.5             | N/A                | 1.0,1.6,2.5             | N/A                |
| Reference Test Gain (dB)    | 40                      | 55                 | 47                      | 64                 |
| Equivalent Input Noise (dB) | 26                      | 26                 | 26                      | 26                 |

### Harmonic Distortion

|             |    |    |    |    |
|-------------|----|----|----|----|
| 500 Hz (%)  | <3 | <3 | <3 | <3 |
| 800 Hz (%)  | <3 | <3 | <3 | <3 |
| 1600 Hz (%) | <3 | <3 | <3 | <3 |

### Induction Coil Sensitivity

|                               |      |      |      |      |
|-------------------------------|------|------|------|------|
| HFA SPLITS (ANSI) (dB SPL)    | 100  | N/A  | 107  | N/A  |
| MASL (IEC) (dB SPL)           | N/A  | 95   | N/A  | 107  |
| ANSI/IEC Battery Current (mA) | 1.4* | 1.4* | 1.9* | 1.5* |
| Idle Current (mA)             | 1.4* | 1.3* | 1.5* | 1.4* |

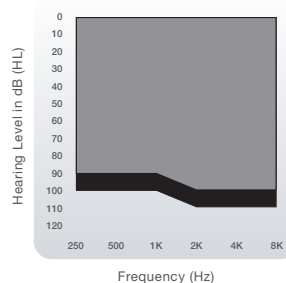
### Estimated Battery Life for 16-Hour Day

|                     |      |      |      |      |
|---------------------|------|------|------|------|
| 312 Zinc Air (days) | 6-8* | 6-8* | 5-7* | 5-7* |
|---------------------|------|------|------|------|

### Tinnitus Therapy Stimulus

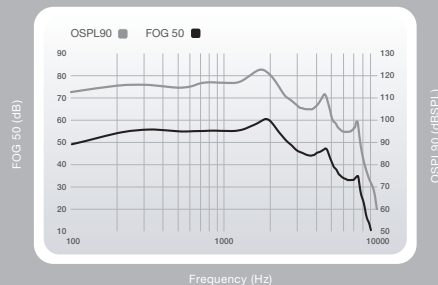
|                                    |    |    |
|------------------------------------|----|----|
| Max RMS Output (dB SPL)            | 87 | 87 |
| Weighted RMS Output Level (dB SPL) | 87 | 87 |
| Max 1/3 Octave Output (dB SPL)     | 87 | 87 |

## Fitting Range

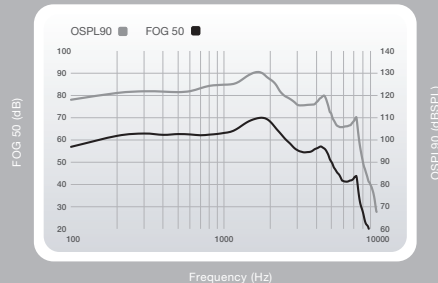


● MUSE iQ micro RIC 312t AP 60  
● MUSE iQ micro RIC 312t AP 70

▶ Matrices: 123/60, 130/70 ▶ Battery Size: 312



OSPL90 (gray) and Full-On Gain (black) curves for the MUSE iQ micro RIC 312t AP at 123/60.



OSPL90 (gray) and Full-On Gain (black) curves for the MUSE iQ micro RIC 312t AP at 130/70.