

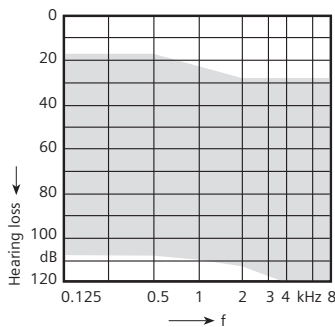


# Technical Data

# Digitrim 23 XP

BTE instrument Order number

- 1041 7974 beige
- 1041 7976 brown
- 1041 7978 grey



### Short Description

- Fully digital amplifier with 3 fitting controls
- New design BTE for severe to profound hearing loss
- Powerful output performance with low distortion
- Simple, flexible fitting using three trimmers

### Fitting Parameters

- NH, low-cut filter
- MPO, maximum output
- Gain, overall gain adjustment

### Standard Features

- MNR (Microphone Noise Reduction)
- FBC (Feedback Cancellation)
- 2 channels with AGC-I compression
- Acoustic signal for program and volume control change and for low battery
- Audio input, compatible with commonly used FM systems
- Lockable battery compartment door
- Volume control with robust rocker switch
- Telecoil program and mixed mode (MT) program
- Battery type 675

### Accessories

- Audio shoe
- Small ear hook

	IEC 118-0	IEC 118-7	ANSI S3.22-2003
<b>Saturation Sound Pressure Level</b> at 1.6 kHz Peak HF-Average SSPL 90 DIN 45 605	136 dB 140 dB - 138 dB	130 dB 138 dB 132 dB 134 dB	- 138 dB 132 dB -
<b>Gain (Input 50 dB)</b> at 1.6 kHz Peak HF-Average Reference Test Gain DIN 45 605	72 dB 82 dB - 61 dB 76 dB	66 dB 80 dB 69 dB 54 dB 73 dB	- 80 dB 69 dB 53 dB -
<b>Frequency Range</b> Low frequency limit High frequency limit	240 Hz 5000 Hz	190 Hz 4600 Hz	190 Hz 4600 Hz
<b>Total Harmonic Distortion</b> 500 Hz 800 Hz 1600 Hz	5 % 4 % 1 %	5 % 4 % 1 %	5 % 3 % 1 %
<b>Equivalent Input Noise</b>	20 dB	20 dB	20 dB
<b>Inductive Coil Sensitivity</b> MASL (1 mA/m) at 1.6 kHz HFA SPLITS (left/right) STS (left/right)	105 dB - -	96 dB - -	- 109/113 dB -4/0 dB
<b>AGC-O (-21 dB, 1 kHz)</b> Attack time Release time	8 ms 120 ms	8 ms 120 ms	8 ms 120 ms
<b>Battery-Type 675 Cell Zinc Air</b> Battery Voltage Battery Current Drain Battery Life	1.3 V 0.9 mA ~530 h	1.3 V 0.8 mA ~600 h	1.3 V 1.9 mA ~250 h
<b>IRIL IEC 118-13</b> (bystander condition) 800-960 MHz 1400-2000 MHz	-20 dB -15 dB	-20 dB -15 dB	-20 dB -15 dB

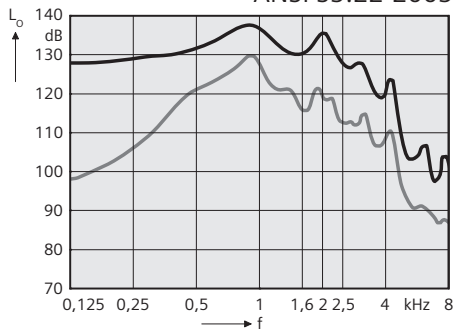
WARNING! Choking hazard posed by small parts. Infants, small children and persons of mental incapacity must not wear the hearing instrument without appropriate supervision.

# Digitrim 23 XP

## Basic data

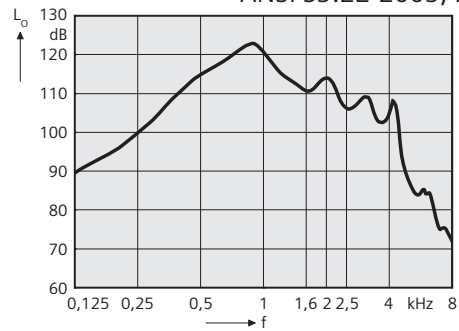
**Saturation Sound Pressure Level ( $L_i = 90$  dB)**  
**Maximum Gain ( $L_i = 50$  dB)**

ANSI S3.22-2003, IEC 118-7



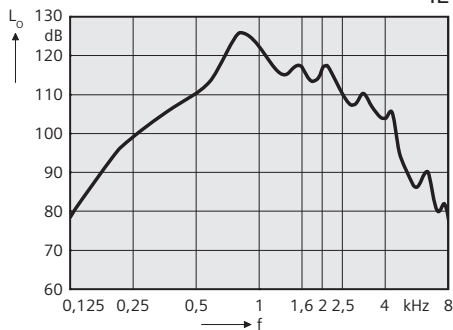
**Basic Acoustic Response ( $L_i = 60$  dB)**

ANSI S3.22-2003, IEC 118-7



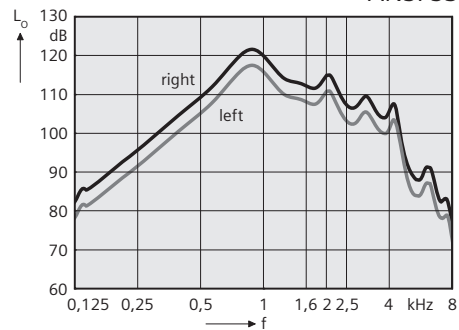
**T-Coil ( $H = 10$  mA/m)**

IEC 118-7/A1



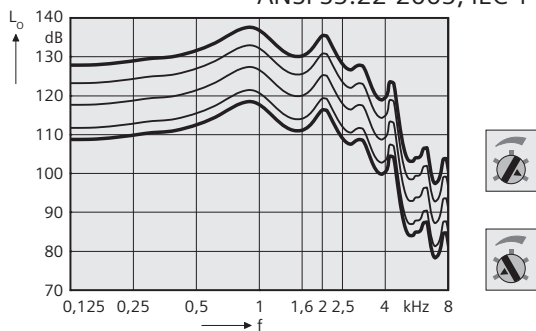
**SPLITS Curve**

ANSI S3.22-2003



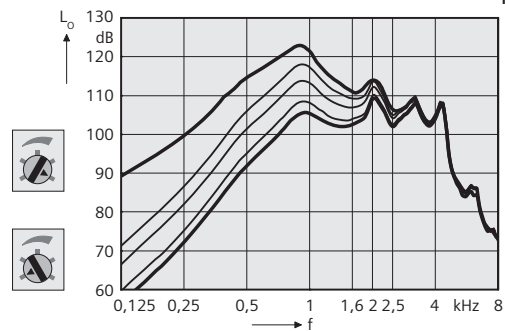
**MPO Frequency Response ( $L_i = 90$  dB)**

ANSI S3.22-2003, IEC 118-7



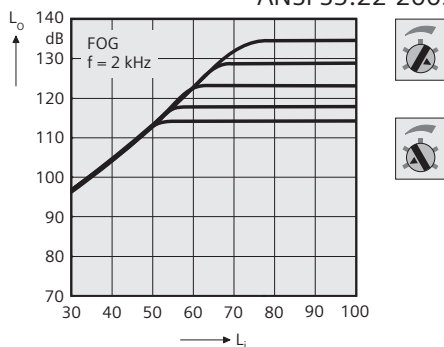
**NH Frequency Response**

IEC 118-7



**Effect MPO**

ANSI S3.22-2003, IEC 118-7



**Gain Frequency Response**

ANSI S3.22-2003, IEC 118-7

