



# MELODY BABY

## BONE CONDUCTION HEARING AID HEADBAND



**MELODY BABY** is a bone conduction hearing device whose function is to correct transmission type hypoacusis caused by bilateral "Atresia Auris". This is a pathology which consists in a non development of the ear auricle and in the failure of the external auditory conduit. This pathology creates a serious hearing loss pantonal transmission. Today neonatal screening helps to early highlight the hearing loss and reducing the consequences by intervening during the first weeks of life. The stimulus received utilizing Melody Baby, this bone conduction device, will enable the child to develop the language, that otherwise will be compromised by the hearing loss. In order to ensure a safe use, the hearing aid is contained within a soft elastic band that allows placing the bone vibrator so to be perfectly adapted at the center of the child forehead, therefore avoiding possible abrasion. The closure of the elastic band, through a velvet ribbon allows to adapt perfectly to the head circumference of the child therefore optimizing at any time the pressure released by the bone vibrator. This solution offers the opportunity a flawless adaption avoiding the risk of prosthesis by grafting, although the baby is lying in the cot on a side or supine. The use of digital technology allows both a very reduced size for this hearing aid device, and makes it simple and easy to handle all settings, that will need to be modified over time accordingly to the growth of the child and his new hearing needs .

### TECHNICAL SPECS

CEI 29-13 ( IEC118-9 )

<b>Output force level max</b>	
Peak	108 dB rel.1 $\mu$ N
1.600 Hz	96 dB rel.1 $\mu$ N
<b>Mechanical acoustic sensitivity level AMSL</b>	
Peak	37 dB
1.600 Hz	30 dB
<b>Mechanical acoustic sensitivity level RTG</b>	21 dB
<b>Frequency range</b>	200 Hz 4000 Hz
<b>Equivalent noise level</b>	32 dB rel.1 $\mu$ N
<b>Induction coil sensitivity</b> (10mA/m)	< 5,0 / 0,2 / 0,1 %
<b>Battery current</b>	< 1,6 mA
<b>Battery Type</b> (Zinco-aria)	13
<b>Average battery life</b>	@ 210 h
<b>Reference test frequency</b>	1600 Hz

**Programming :**

**Cable : 4 pin.Standard**

**HIPRO (#)**

**Battery : Without Battery**

**Progr.Box : HIPRO – Box**

**Software : AutelFBC**



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