

Digital Programmable Hearing Aid

Tarang is a feature rich state-of-the-art Digital Programmable Hearing Aid which uses sophisticated Digital Signal Processing (DSP) techniques, based on the indigenously developed Application Based Integrated Circuit (ASIC) named NAADA, offering superior and stable characteristics over a wide dynamic range. Frequency-dependent filtering and built-in fitting formulae help in the fine reproduction of the hearing test results and accurate prediction of optimum amplification. This, in turn, allows unparalleled sound quality, ease and reliability in ear-specific customization.

In addition to these hi-tech features, Tarang Hearing Aids have a low cost of ownership and

maintenance.

Features

- Fully digital
- High reliability
- Multi-Channel signal processing
- Digital Volume Control
- Multiple listening programs
- Wide Dynamic Range Compression
- Supports both linear and Non-linear prescriptive procedures
- Telecoil Support
- Programming software with industry standard features
- In-situ programming facility
- Inbuilt memory reserved for medical records
- **Notification Beeps**

Programmable Parameters

- 64 Band Filter
- Multiple Channels (10 Max.)
- Variable Channel Boundaries (9 Max.)
- Multiple Listening programs (10 Max.)
- Supports up to 10 compression regions per channel
- Wide Dynamic Range Compression
- Programmable beep frequency, amplitude and duration



1 Certificat	Specifications	

2cc Coupler (dB SPL) Saturated Sound Pressure Level 135

High Frequency Average (HFA) 128

HFA FOG

ADC Resolution

2cc Coupler (dB SPL) Gain Peak gain 75

63

200Hz to 6000Hz

<5%

Zinc-Air 16 bits



HARDWARE DESIGN GROUP

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

Vellayambalam, Thiruvananthapuram - 695033, INDIA