



IS 10775: 1984 - Specification for body level hearing aids

Body level hearing aids are commonly recommended for **elderly individuals, children**, and people with specific needs who benefit from the device's size and functionality. They are often used in **speech therapy** and **rehabilitation settings** due to their ability to deliver consistent, high-quality sound amplification.

The Indian Standard **IS 10775: 1984** defines the technical specifications and performance requirements for **body level hearing aids**, which are wearable devices designed to assist individuals with hearing loss by amplifying sound.

To ensure **high-quality performance**, body level hearing aids must meet several key parameters. Users expect **clear sound amplification**, minimal distortion, reliable battery life, and durable construction for everyday use. Quality hearing aids should provide a consistent **frequency response** and **sufficient output power** to suit various levels of hearing loss. Furthermore, **user comfort, ease of use, and compatibility** with different earphones are essential aspects, as these devices are intended for continuous or prolonged use.

IS 10775 addresses these expectations by setting required benchmarks for the **acoustic performance, mechanical durability, and electrical safety** of body level hearing aids. The standard specifies **frequency response ranges** and **distortion limits** to maintain sound clarity, as well as battery performance criteria to ensure long usage times without frequent recharging. It also includes provisions for **mechanical robustness** and **moisture resistance**, making the devices suitable for varied environments. **Electromagnetic compatibility** requirements protect against interference from other electronic devices, further supporting dependable performance.

This standard support in the development of body level hearing aids which are both **reliable and safe**, meeting the needs of hearing-impaired users and enhancing their accessibility to sound. This standard ensures that consumers receive hearing aids that comply with high-quality benchmarks, promoting improved hearing and quality of life.