

Aura-PSG System

Operational Description

The AURA PSG amplifier system is intended for recording routine electroencephalography (EEG) and polysomnography (PSG).

The device is intended to be used only by physicians, technicians, or other medical professionals that are trained in electroencephalography or polysomnography.

The system features a compact, wearable 24-channel Amplifier Unit and a Base Station that can be mounted in a variety of locations.

The Amplifier Unit digitizes the signals of interest and transmits them to a Base Station which adds any further information required and passes the data to the end user's computer via Ethernet.

The wireless mode allows ambulatory applications within 25 feet (without obstructions) of the Base Station. The Amplifier and Base make use of the National Semiconductor LMX9820A Bluetooth Module (FCCID: ED9LMX9820ASM) for wireless connections. The Amplifier uses an SMD antenna which is not accessible to the user. The Base uses an external swivel SMA antenna.