



Neuron-Spectrum-AM

Ambulatory Wireless EEG/PSG Recorder



- 16-21 EEG channels
- Full range of polygraphic channels for PSG recording in accordance with AASM recommendations (2007)
- Wi-Fi interface
- Ambulatory EEG and PSG recording (up to several days)
- Routine EEG exams

Features

- 16-21 EEG channels according to International "10-20" system (the number of EEG derivations depends on the necessity to record other channels)
- Polygraphic channels
 - ECG channel (ECG)
 - Two EMG channels (EMG1, EMG2)
 - Two EOG channels (EOG1, EOG2)
 - Direct current channel (DC)
 - Snoring sound channel (Snore)
 - Airflow channel (Flow)
 - Rib cage movement channel (Chest)
 - Abdominal movement channel (Abdom)
 - Two limb movement channels (LML, LMR)
 - Oximetry channel (SpO2)
 - Nasal pressure channel
- The built-in body position sensor
- LCD display and four control buttons allow configuring the acquisition parameters and operation modes
- Socket for standard electrode cap
- The exams can be recorded to SD memory card with up to 32 Gb size
- Built-in Wi-Fi module can be used to monitor the data during the ambulatory recording, copy the exams from the memory card of the device to the exam database and customize the device
- The device can be used without the memory card. In this case the device can transmit the obtained data to the computer database via Wi-Fi interface during recording
- Video EEG monitoring
- The recorder can be connected to any computer of the wireless local network or any computer with the built-in Wi-Fi module or computer with USB Wi-Fi adapter
- The audio alarm signal is initiated when the battery charge level is too low, possibility to change batteries during recording
- The full range of **Neuron-Spectrum.NET** software features for the record analysis

