



Lifelines Trackit Ambulatory Recorder

System

- Ambulatory, Lifelines iEEG Portable (for home use)
- Optimal for ambulatory
- Special patient worn pouch (bag)

System Specifications

- Host PC connection via USB cable or internal wireless module
- Special recording modes including timed, periodic, or automatic record on switch on
- Built in calibration
- Built in electrode impedance check
- Dual PC and Trackit recording capability when in host connection mode (wireless or cabled)
- Up to 3 minutes of data buffer whilst changing disks
- Native European Data Format (EDF) for recording files

Quality System

- ISO 13485

Compliance with Regulatory Standards

Designed, tested, manufactured and certified to meet the following standards:

- CE mark – (AMTAC-0473 certificate number 596CE) Certified against Directive 93/42/EEC, Annex II
- FDA 510(k) clearance for marketing K-010460
- IEC 60601-1 Medical Electrical Equipment General requirements for safety
- IEC 60601-2-26 Medical electrical equipment Particular requirements for the safety of electroencephalographs
- UL 60601-1: 2003 National deviations (USA)
- CAN/CSA-C22.2 No. 601.1-M90 National deviations (Canada)
- IEC 60601-1-2 Electromagnetic compatibility
- RoHS Directive 2011/65/EU
- WEEE Directive 2002/96/EC

Amplifier Specifications

- Up to 24 unipolar EEG channels (AC)
- Up to 8 bipolar/unipolar EEG/poly channels (AC/DC)
- 4 AUX high level DC channels
- All channels BF isolated
- 16 bit A to D converter with sample and hold on every channel
- Sampling rate independently selectable on all channels 1-512Hz
- Max differential AC input before clipping: 10mV pp
- Max operationa DC input voltage (electrode offset): +/-500mV
- The DC input for a DC channel is +/-250mV
- Bandwith: 0.16-70Hz (-6dB)
- Max common mode rejection ratio: >100dB (driven ground)
- Input bias current: <+/-25nA
- Noise: <3.5uV pp

Connections, ports and controls

- 34 electrode Input Connectors, BF isolated, touch proof 1.5mm
- EEG cap connector
- 4 Aux DC Inputs
- Input for optional Nonin Pulse Oximeter
- Patient event push button
- Back-light display for time, recording time, battery life etc.
- Detachable PCU with optional 10/20 overlay

Battery

- Up to 3 PP3 Lithium batteries giving 96 hours life with 21 channels recording, or a high capacity rechargeable battery giving 36 hours life with 21 channels recording

Amplifier Memory

- High capacity compact flash cards for data storage – FAT or FAT32 formats supported for >4GB cards
- Native European Data Format (EDF) for recording files

Operating Environment

Dimensions and Weight

- Small size at only 14cm x 9.5cm x 3cm (5.5 x 4 x 1.25 in)
- Weight: <500g/1.1 lbs including disk and batteries

Lifelines iEEG reserves the right to change the specifications of this product without notice in line with the company's policy of continual product development