Portable Configuration

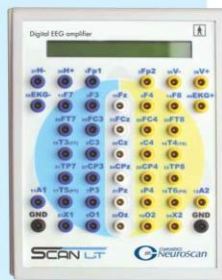Trolley Configuration

Scan LT
Digital clinical EEG workstation

COMPUMEDICS™

Can an entry level clinical EEG solution be both powerful and affordable straight out of the box? At Compumedics we prove that it can be with our Scan LT. With the ease of use and simple setup of ourcost-effective solution, you will be ready to start your EEG study in a matter of minutes. And of course Compumedics has not compromised on performance. A desirable suite of powerful features make this system ideal for even the most sophisticated user.

Digital EEG amplifier

Amplifier

Photic Strobe

Compact and powerful
The Scan LT is a complete 40-channel EEG system that weighs less than 4.5kg (10lbs) including a typical laptop computer! Scan LT offers highly advanced EEG acquisition and review tools in a compact and lightweight package. Bundle the Scan LT system with a notebook computer and you have the ultimate in portability - a complete 40-channel system to go!

Performance enhancing technologies
SCAN LT incorporates 40-channel digital EEG acquisition and photic stimulation in two lightweight peripherals that connect to a PC via a Universal Serial Bus (USB) cable. USB makes setup simple, and a single power cord is all that is needed for the whole system. Everything can be packed up for travel in seconds.

Setup and Recording Simplified
Routine clinical EEG procedures are simplified with the advanced features from Profusion EEG4. Built-in electrode impedance measurement help you ensure the best quality signals.

System Configurations
SCAN LT is available both in a portable configuration with a notebook computer and in a laboratory-based configuration.

Hardware Technical Specifications

Digital EEG Acquisition
- **Number of channels** - 40 unipolar (39 bipolar channels can be computed)
- **Digitization rates (after anti-aliasing)** - 125, 250, 500, 1000 Hz per channel
- **Bandwidth (3dB down)** - DC to 262 Hz
- **Signal dynamic range** - ±130 mV (22 bits ADC)
- **Input impedance** - Not less than 90 MΩ
- **Computer interface** - Universal Serial Bus (USB), full support for Plug And Play technology
- **Synchronization with external devices** 2 input TTL lines 2 output TTL lines

- **Electrode impedance, quality control of electrode application** - Before application, measurement of contact impedance (at frequency 30 Hz). During recording, constant monitoring of contact quality
- **Electrode connectors** - Touchproof (DIN 42-802) recessed male pins for individual channels Plastic DSUB37F for use with Quik-Cap™
- **Power supply and energy consumption** From USB (5V), in active mode current up to 0.4A, in standby mode current up to 5 mA

- **Electric safety** - According to EN60601-1 (type BF), IEC601-1
- **CMRR** >100db

Photic Stimulator
The photo stimulator contains a matrix of super light diodes (white), guaranteeing long life and minimal electrical interference. Frequency of stimulation 0.5-50 Hz. USB connection to PC.

Computer Specifications
The system can be supplied with a notebook or desktop computer with the latest features.

Highlight features:

Next Generation Montaging System
- Next generation montage editor allows easy manipulation of any aspect of a montage on the fly
- Complex montages with weighted averaging can be created
- Montage changes are applied in real time so that any change is immediately apparent in concurrently opened polygraphs
- Electrode mapping allows dynamic assignment of patient electrodes to amplifier channels

Unprecedented Video Quality
- Top end video resolution for unprecedented video clarity and superior digital zoom capabilities: full D1 resolution 720x576 at 30/25 frames per second
- Video is frame-locked to EEG data so waveforms and video are always precisely synchronised
- Open multiple video windows simultaneously with different zoom and pan in each window

Easy Event Annotations
- Single-keystroke or single-mouse-click operation for easy insertion of annotations and other events
- Comprehensive event navigation including custom search function e.g. find "head/eyes to the right" events
- Define your own event categories to group similar events
- Define your own most used annotations and insert any one with a single keypress

Live Editing System
- Edit studies with full suite of operations whilst recording is in progress
- Summary and Trace views synchronise your selections allowing easy relation of the overall view to detailed EEG data
- Define multiple selections of EEG and edit them simultaneously

Intelligent Reporting
- Intelligent reporting engine allows instant in-place customisation of report templates
- Easily make your own templates inside the application, with Microsoft Word, or your favourite text editor
- Drag'n'drop EEG traces directly into reports
- Export reports to PDF or Microsoft Word formats
- Unlimited user-defined report fields

توضیحات
دستگاه نوار مغز ٤٠ کاناله دیجیتال مدل Scan_LT کمپانی Neuroscan (آمریکا)

ویژگیها:

- دارای ورودی ECG
- نمایش کیفیت امپدانس الکترود ها

Live Impedance checking

- مصرف انرژی بسیار پایین :٤,٠ ((USB) 5 V – AMP
- کاملا ایمن و مطابق با آخرین تاییدیه های اداره استاندارد امریکا و اروپاFDA وCE
- ماژول تحریک نوریPhotic Stimulator
- گزارشگیری تحت Office و کاملا انعطاف پذیر .
- بانک اطلاعاتی بسیار قوی و دارای ابزار بایگانی و مرتب سازی مخصوص بانک های اطلاعاتی
- سیستم Review و ویرایش نوار مغز(تحت شبکه) از راه دور
- فیلتر های چندگانه دیجیتال (نویزگیر)
- برنامه ساده و گرافیکی جهت ساخت انواع مونتاژ
- رزولوشن نمایش امواج مغزی

Sample rate per Ch : 1000 HZ

- امکان استفاده در qeeg نقشه مغزی
- قابلیت Brain mapping,Cartoon
- قابلیت استفاده در تشخیص مرگ مغزی بهمراه آموزش و مونتاژهای مخصوص Brain_Death
- بدون نیاز به قفل سخت افزاری
- قابلیت ارائه انتخابی بصورت پورتابل . (لپ تاپ + ویندوز ١٠) یا بهمراه کیس کامپیوتر و مانیتور
- کیت کامل لوازم مصرفی اوریجینال
- پرینتر مخصوص(option)
- ٢سال گارانتی ،١٠ سال خدمات
- نصب و راه اندازی و٨ساعت آموزش آکادمیک رایگان
- بیش از بیست مورد سابقه فروش در ایران
- سرویس دوره ی رایگان