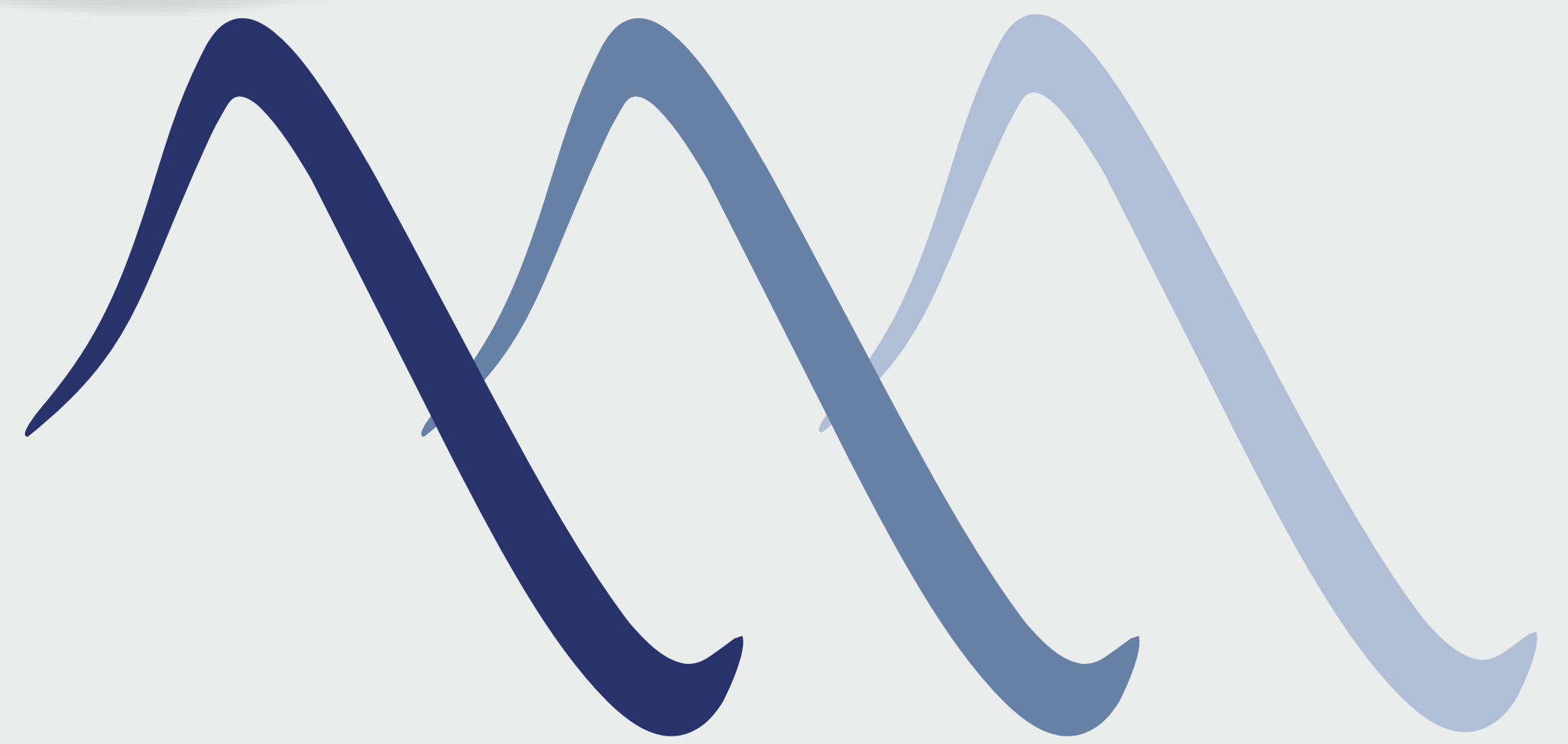# HANDYEEG

High Resolution Digital VideoEEG on Laptop PC

NEW SERIES

The Truly Portable EEG System

29 38 48 CHANNELS

- ■ Ultra compact SD PLUS Amplifier with: - *NEW*
  - ● 24 bit ADC, Bandwidth DC up to 4,4 KHz
  - ● Sampling Rate up to 16384 Hz/Channel
  - ● 40 Common Ref. Ch., 16 can be Bipolar (Research)
  - ● 32 Common Ref. Ch., 8 can be Bipolar (Flexi)
  - ● 2 Bipolar Inputs for Evoked Potentials
  - ● 2 Channels for Inductive Belt (Research)
  - ● 3 PulseOxymeter Channels (SpO$_2$, HR, Pulse)
  - ● 1 Marker Channel
  - ● Impedance Quality LED on every Plug
  - ● LCD Display
- ■ Fully Powered by the Laptop - *UNIQUE*

SystemPlus EVOLUTION

- ■ Synchronized Digital Video EEG with:
  - ● High Resolution - HD
  - ● 25 Frame/Second - Digital Zoom up to 16x
- ■ Possibility of Expansion with:
  - ● Maps, Source Localization, Sleep Analysis
  - ● Spike and Seizure Detection
  - ● MYOHANDY EP and/or EMG
  - ● ERP with Back-Averaging
  - ● EEG Analyser for On-Line and Off-Line Monitoring
- ■ Possibility to Combine with:
  - ● BRAIN SPY PLUS - 21 Ch. Ambulatory Recorder
  - ● MORPHEUS - 34 Ch. PSG Ambulatory Recorder

HANDYEEG

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HANDYEEG

«No Compromise» Portability

Now Available with the New Trolley

HANDYEEG: Digital VideoEEG? Much More!

The new range of VideoEEG devices, HANDYEEG SystemPLUS EVOLUTION, integrates MICROMED's wide experience in neurophysiology diagnostics and in designing truly portable acquisition systems. SystemPLUS EVOLUTION integrates all types of exams in a single application, such as: Video EEG, PolySomnoGraphy, Electromyography, Evoked Potentials and Intra-Operative Monitoring. The configurations are opened towards external systems and are organized according to the criteria of maximum working flexibility. The single archive and project design guarantee that all standard activities of Acquisition, Review, Analysis, Report and Archive of all exams can be managed in a single unit or on several systems distributed over a network. The adoption of standard formats for network and database allow connection, recognition, query and integration of SystemPLUS EVOLUTION database with external patient database systems. Every workstation of the system can access data, exams and reports of every single patient.

Excellence in EEG from 29 to 256 channels

HANDYEEG SystemPLUS EVOLUTION acquisition units are based on the latest generation laptop and Windows® operating systems. It is possible to select between 29, 38 or 48 channels amplifiers but the system can get up to 256. Possible applications vary from Brain Death exams to clinical Video EEG, from Polysomnography to LTM - Long Term Monitoring of Epilepsy or Stereo EEG (field in which MICROMED is internationally renowned) or EEG Recording during functional MRI. The Multi-Window structure of the EEG software makes the system extremely open, flexible, and user friendly. The possibility of being fully battery powered makes the system unique.

Digital Video EEG: Defining Standard for the Future

HANDYEEG SystemPLUS EVOLUTION Video EEG units feature extremely advanced functions, especially useful for both Standard Recording and Long Term EEG Monitoring. The system allows to Review the exam during the acquisition with a double Video window on the Recording station. Other useful features are: Remote Review, remote repetition of patient image, Digital Zoom up to 16x and camera control via network!

Open, Flexible, Modular...

SystemPLUS EVOLUTION represents a true reference concept in the field of medical devices since it is designed for expansion and integration. MICROMED difference is even more: the aspect that distinguishes our approach is the particular feeling to combine customer requests with the availability of new technologies, often producing "brilliant" solutions. Every relationship with the customer is therefore transformed in an opportunity of common growth, where correctness and expertise overlap and constitute real collaborations, making People protagonists and the center of MICROMED attention.

SystemPlus EVOLUTION

Experience the true portability!

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SystemPlus EVOLUTION

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NOTE: Some of the Listed Features may be Optional   DHESEV.EN-3.02   CE 0051

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