

MORPHEUS

Ideal for EEG, Perfect for Polysomnography



■ 34 Channel Polygraphic Recorder

- 12 Common Reference EEG Channels
- 12 User Selectable Bipolar / Common Reference EEG
- 2 DC Channels
- 2 Built In Respiratory Inductive Bands Effort Channels
- 2 Built In Flow Pressure Chan. (Diff. and Gauge Plug)
- Embedded Body Position Channel
- 3 Digital Channels for SpO₂, Heart Rate and Pulse

■ 3 in 1 System: Can be Used as:

- Wired Headbox - Powered via Cable
- Wireless Headbox - Battery Powered
- Ambulatory Recorder - Battery Powered > 24 hours

■ Compact Design: Very Small Size and Light Weight:

- Only 11 x 8 x 3 cm, weight < 250 gr.

SystemPlus
EVOLUTION

EEG / PSG Ambulatory Recorder

34 CHANNELS

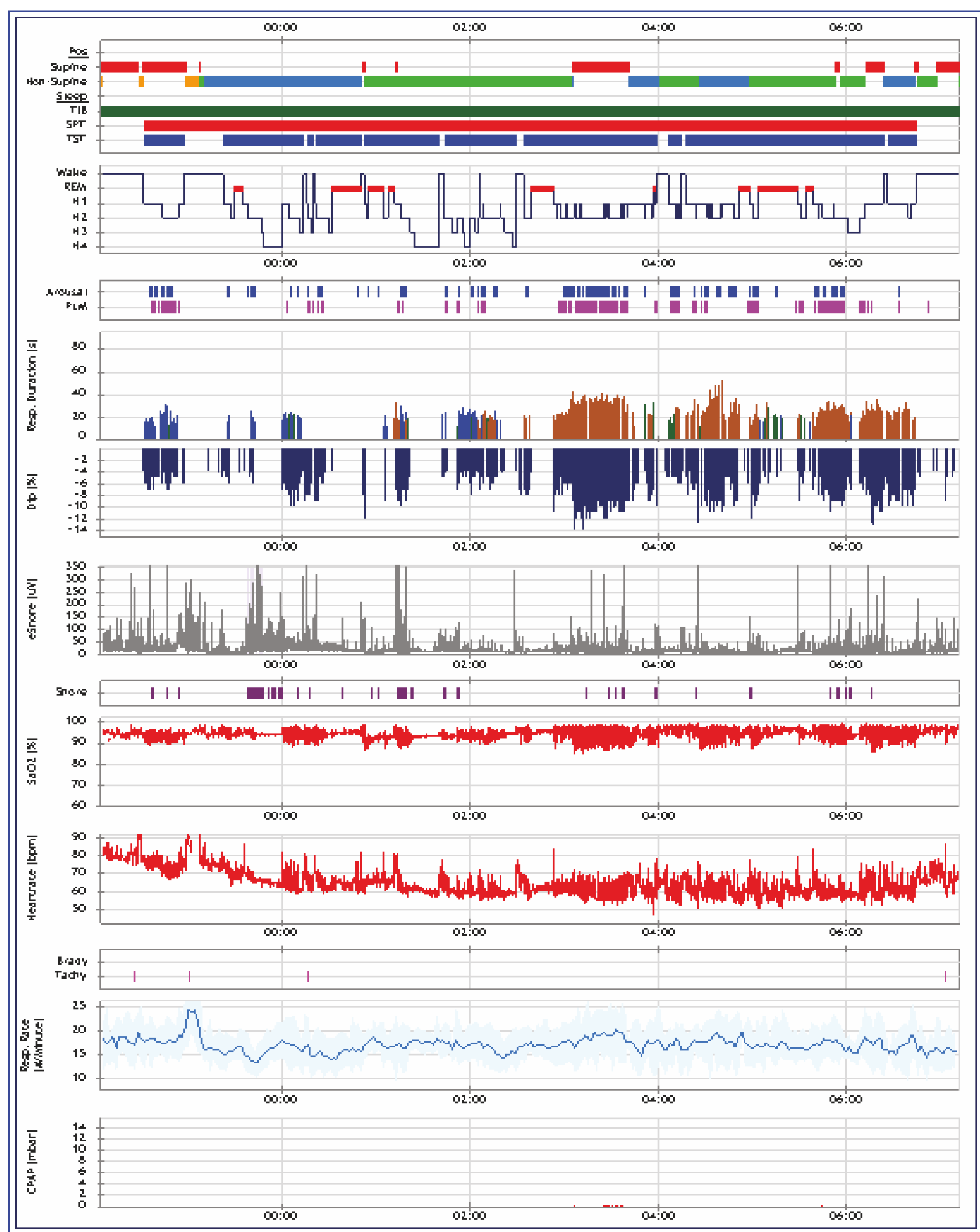
- Possibility to use the Recorder on a Dedicated Station or to Combine it with any **BRAIN QUICK** or **MYOQUICK** Acquisition Systems
- Excellent Recording Characteristics with:
 - Noise lower than 0,1 μV_{rms} @ 128 Hz
 - 16 bit Analog Digital Conversion
 - 4096 Hz Hardware Sampling Rate
 - 128 to 1024 Samples/s Stored into the Memory Card
- Sound Playback of EEG Traces up to 100x during Review for a Quick EEG Reporting
- Large Graphical LCD Display showing :
 - Impedance Measurement (Graphs and Numerical)
 - Patient Information
 - All Recorder Settings
 - Input Signals for Visual Inspection
- Time Locked Patient Marker
- Signal Storage on Extractible Compact Flash Memory Card for more than 48 Hours Recordings without Changing Batteries
- Data Transfer for On-Line Direct Acquisition via :
 - Micromed Interface via Fibre Optic or Cable
 - Bluetooth® Wireless Connection
- Data Transfer for Review:
 - Micromed Interface via Fibre Optic or Cable
 - New Flash Card Reader on USB
- Extensive Choice of Sleep Accessories
- Recording of Synchronised Digital Video when combined with a Camera: Home LTM - **NEW**

MORPHEUS

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MORPHEUS

Ideal for EEG and PSG



Example of Polysomnographic Report obtained from a Morpheus Recording

Open, Flexible, Modular...

SystemPLUS EVOLUTION represents a true reference concept in the field of medical devices since it is designed for expansion and integration. The 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.

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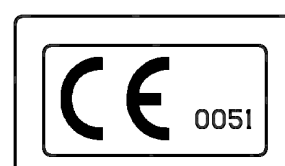
Via Giotto, 2 - 31021
Mogliano Veneto (Treviso) - Italy
Tel. +39.041.5937000
Fax. +39.041.5937011
e-mail: micromed@micromed.eu
Internet: www.micromed.eu

Distributed by:

SystemPlus
EVOLUTION

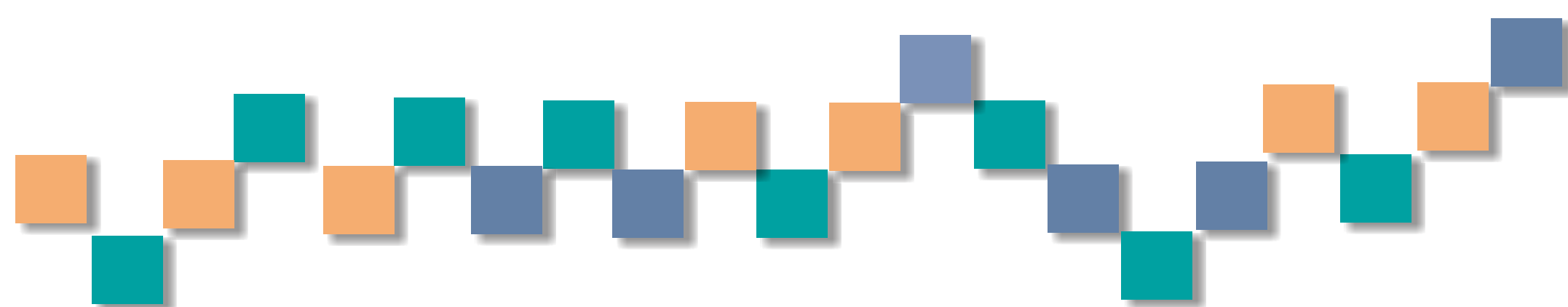
NOTE: Some of the Listed Features may be Optional

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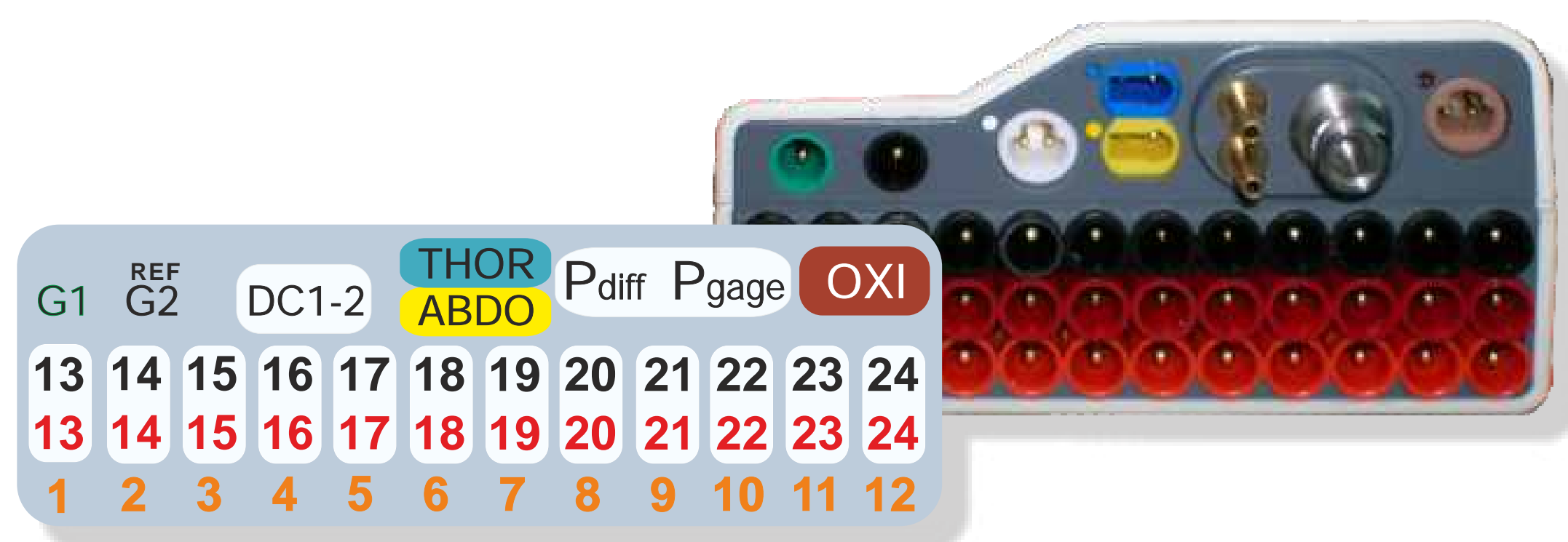
MORPHEUS: Not Just an Ambulatory Recorder

The new range of **MORPHEUS** devices integrates MICROMED's wide experience in neurophysiology diagnostics and in designing handheld ambulatory recorders that can be connected to any SystemPLUS EVOLUTION unit like all the other **BRAIN QUICK**, **HANDYEEG**, **MYOQUICK** and **MYOHANDY** product series. SystemPLUS EVOLUTION integrates all types of exams in a single application, such as EEG, VideoEEG, Ambulatory PSG, VideoPSG, EMG, EP and IOM. When the unit is used as a **Standard Headbox**, data are transmitted along the cable and power is taken from the PC. As long as the unit is disconnected from the recording station, the hardware automatically commutes to **Wireless** transmission and power is taken from batteries, thus permitting to continue recording. But **MORPHEUS** can be used as Standard Headbox as well as Independent **Ambulatory Recorder**: a revolution in this field which strongly confirms the power of Micromed Hardware. The presence of the integrated transducers for Inductive Bands and Pressure improve also the performance due to the absence of circuits on the sensors! And do not forget the recorder is a Body Position itself, just fix it to the patient!



Excellence in EEG and Polygraphic Signals

SystemPLUS EVOLUTION acquisition units are based on the latest generation processors and Windows® operating systems. The **MORPHEUS** recorder is an handheld 34 channel unit covering applications like Standard Polysomnography and EEG, Ambulatory Polysomnography and EEG, up to LTM - Long Term Monitoring of Epilepsy. The combination with Special Digital Video Camera allows the recording of synchronized Digital VideoEEG in a veritable portable way: the Home LTM!



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