

ACTIGRAPHY SIMPLE. EFFICIENT. POWERFUL.

HIGH-FREQUENCY MOTION ANALYSIS

Determination of low & high frequency tremor and amplitude, also optionally on several extremities simultaneously, PLM/RLS analysis

PROVEN ACTIGRAPHY

Activity analysis, recording of sleep-wake rhythms, diagnosis of certain sleep disorders, monitoring of therapy success



SOFTWARE
WITH
AUTOMATIC,
FREE

REFINED & SOPHISTICATED

Easy wristband change, foils available in four colors, rechargeable battery, waterproof

6 INTERNAL SIGNALS

3-axial acceleration sensor for activity and body position, battery voltage, light, patient marker

COMPACT DESIGN
Easy handling for doctor and patient

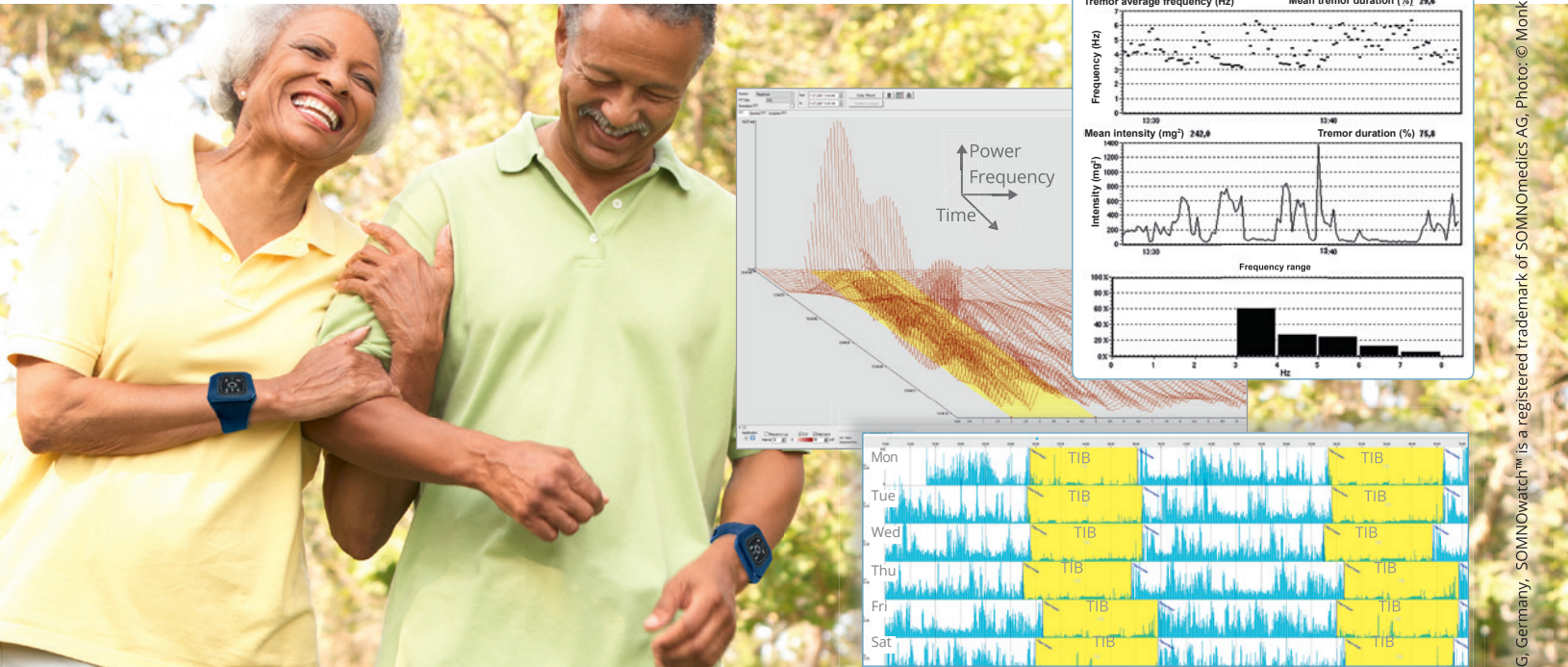
The **SOMNOwatch™ eco** is a powerful miniaturized actigraph for recording objective sleep and movement data over a period of several weeks. The slim, lightweight and waterproof design with a simple user interface including visual and audio feedback makes it easy to integrate into the patient's daily routine.

Powerful actigraphy

- ◆ 3-axial acceleration sensor for determining activity and body position
- ◆ Analysis and reports: determination of TIB, sleep/wake analysis incl. sleep parameters, recording of the circadian rhythm, sleep per 24 hours, rasterview
- ◆ Recording duration: at least 4 weeks at a sampling rate of 32 Hz and storage rate of 1 Hz
- ◆ Monitoring of biophysical parameters relevant for the diagnosis of neurological and sleep disorders

DOMINO light software

- ◆ Initialization, transfer and complete analysis of the data
- ◆ Powerful analysis: activity, circadian rhythm, sleep/wake determination, tremor, PLM/RLS detection
- ◆ Automatic artifact detection
- ◆ Montage and reports with standard templates and individually configurable
- ◆ Data export: HL7 interfaces
- ◆ Automatic, free software updates



Tremor/Parkinson's analysis

- ◆ Frequency determination using FFT analysis
- ◆ Determination of low- and high-frequency tremor and amplitude
- ◆ Graphical representation of tremor frequency and intensity
- ◆ Tremor can be measured simultaneously on several extremities

PLM/RLS recorder

- ◆ Recording of leg movements when worn on the ankle
- ◆ Simultaneous recording on both ankles possible
- ◆ Differentiation of upright and reclined position
- ◆ Software: automatic detection of PLM movement patterns, automatic evaluation of the PLM index and RLS rating

Technical data

6 internal channels

3-axial acceleration sensor (x, y, z) for activity and body position, ambient light, battery voltage, patient marker

Data acquisition / data storage / data transfer

Adjustable sampling rate and storage rate of up to 256 Hz, 1 GB storage capacity, data transfer via USB-C cable

Display

2 × status LEDs, 1 × light sensor, 1 × push-button (patient marker)

Size and weight

1.2 x 1.4 x 0.3 inch, 3.3 ounces (incl. battery, excl. wristband)

Power supply

Li-ion battery, capacity: 300 mAh, rechargeable via USB

Analysis software

DOMINO light

Adults
only

CONTACT

SOMNOmedics America Inc. | 815 Ponce de Leon Blvd, Suite P-209 | Coral Gables, FL 33134
Toll free: +1 866 361 9937 | info@somnomedics.com | www.somnomedics.com