

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 CHANNELS

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

COMPACT DESIGN
Easy handling for doctor and patient

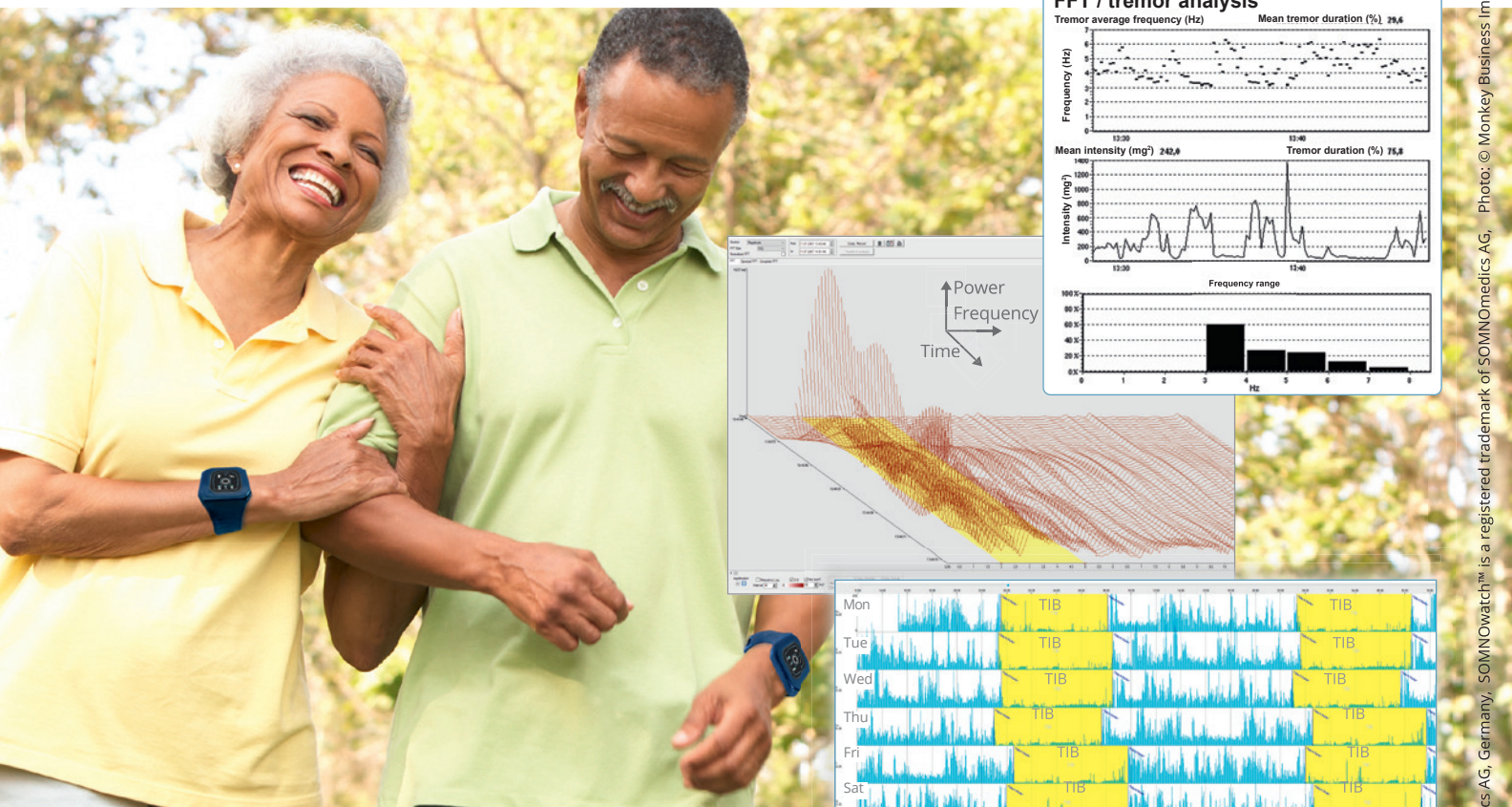
The **SOMNOwatch™ eco** is a powerful miniaturized actigraph for recording objective sleep and movement data over a period of several weeks. The slim, lightweight and waterproof design with a simple user interface including visual and audio feedback makes it easy to integrate into the patient's daily 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
- ◆ Movement analysis for monitoring during training, sport, rehabilitation or diagnosis of ADHD

DOMINO light software

- ◆ Initialisation, 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 interface
- ◆ 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 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

30 × 36 × 7 mm, 13 g (incl. battery, excl. wristband)

Power supply

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

Analysis software

DOMINO light

All age groups
(from 1 month of age)

CONTACT

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