# **SOMNOtouch™ NIBP**

# Long-term Blood Pressure

# + Holter ECG + Oximetry + Actigraphy + PWV



#### efficient, comfortable, innovative

### Continuous, non-invasive blood pressure measurement without cuff)

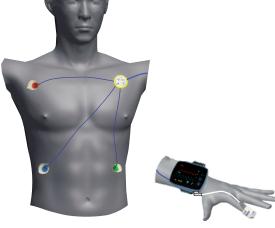
- Systolic & Diastolic Blood Pressure (in mmHg), beat-to-beat, covers all real max. and min. values, especially during REM Sleep and Supine Position
- Easy application with maximum comfort for the patients thanks to reactionless measurement without inflation
  of the cuff (PTT-based\*, validated according to ESH protocol\*\*)
- Minimized deviation caused by Body Position changes (reduction of hydrostatic effect)

#### Holter ECG

- 3 channel ECG
- · Holter ECG analysis (with Schiller Software Plug-in, optional)
- Stress report based on HRV
- Export to different file formats (EDF, SCP, ASCII, etc.)

### Oximetry

- Oximetry report
- Flow and Snore optionally available via AUX connection



### Actigraphy

- Sleep/Wake determination\*\*\*, determination of the real sleeping time, correlation of blood pressure to TIB
- · During daytime: correlation of blood pressure values to physiological activity

#### PWV

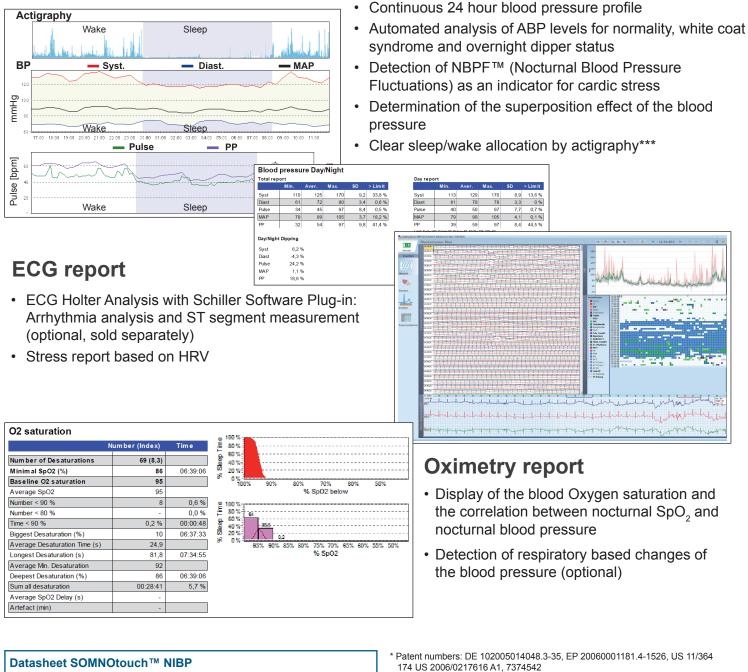
· As an indicator for arterial stiffness



# SOMNOtouch NIBP

## Data analysis and report

#### **Blood pressure report**



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SOMNO medics

74 x 55 x 16 mm, 58g (incl. battery) **Display** high resolution, color touch display, resolution 320 x 240 pixels **Power supply** Li-Ion-battery (rechargeable), up to 26 hrs. recording duration

snore, blood pressure calibration)

Individually adjustable recording rate from 4/s to 512/s

Data transfer via Bluetooth, wireless data transfer in realtime

6 internal (Body position, movement, SpO2, pulse rate, plethysmography,

2 AUX - up to 8 channels per external connector (e.g.: 3 channel ECG, flow,

22 channels

Data storage

Size and weight

patient marker)

internal data storage, 512 MB capacity Charging and data transfer via docking station

Data collection / Data transfer

12 bit signal resolution

Analysis software DOMINO light

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Bilo, G., Parati, G. et al., Validation of the SOMNOtouch™ NIBP non-invasive

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Dick, R., et al., AASM standards of practice compliant validation [...] Physiological