In clinical diagnostics and in sleep research, professionals recognize inductive plethysmography as one of the best methods for monitoring respiratory effort, particularly for detecting changes in effort that indicate hypopneas.

Summit IP™

Affordable, True Inductive Plethysmography

- > Preferred, true inductive plethysmography technology
- > Linear response to changes in effort
- > Balanced SUM channel output
- > Continuous, automatic channel balancing
- > Operates with any PSG amplifier system
- > 800 hours of operation from a small low-cost battery
- > Long lasting, reusable sensor bands
- > Cost effective and easy to use

The 1999 recommendations from the task force of the American Academy of Sleep Medicine reflect the consensus that the balanced SUM channel output from a respiratory inductive plethysmography (RIP) system is the preferred sensor for research because it has been shown effective in tracking linear changes in respiratory effort.

The Summit IP respiratory effort sensor system reflects the expertise in RIP technology that Compumedics Ltd has developed and used in its PSG systems for more than 15 years. Now any lab, with any brand of sleep amplifier system, can gain the benefits of true inductive plethysmography.

The Summit IP is small, battery-powered and quickly connects to your sleep amplifier with standard touch-proof connectors. Advanced microprocessor technology continuously tracks each breath and automatically updates the calibration factors to produce the balanced SUM channel output. The respiratory effort signals from the Summit IP always maintain their polarity, providing reliable indications of respiratory paradox.

"Now you're watching every breath they take from the Summit."

Shown actual size

Summit IP Kit Part Number: 9014-0001-01

Technical Specifications

Summit IP Module (PN 8014- 0001- 01)

Size: 59mm x 41mm x 21mm (L x W x H)

Weight: 39 grams, including battery

Power: One N-size alkaline battery (IEC -LR1), providing approximately 800 hours operating time; power controlled by attaching or detaching sensor bands

Output: Thoracic, Abdominal, SUM channels via color coded lead wires – length 2 meters

Output Signal Voltage: ±5mV maximum

Signal Frequency Bandwidth: 0.05 to 5Hz

Operational indicators: Red, amber and green LED's indicate low battery voltage, calibration failure and operational mode

Sensors Bands (PN 7012-0013-01, 7012-0014-01)

Sensors: Two reusable, durable, respiratory inductive plethysmography (RIP) bands, non-latex elastic, cloth with embedded wire coil. Includes removable, washable cover

Extension Straps: 4 lengths to accommodate small to very large adults

Safety and EMC standards: IEC60601-1:1988+A1:1991+A2:1995; IEC60601-1-2:2001

*Technical reference: Flemons WW, Buysee D, Recommendations for Syndrome Definition and Measurement Techniques in Clinical Research. The Report of an American Academy of Sleep Medicine Task Force; *Sleep. 1999;22(5):667-689.*

Compumedics divisions:

Compumedics Sleep · Compumedics Neuroscience · Compumedics Neuroscan · Compumedics Neuromedical Supplies

For more information please contact:

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COMPUMEDICS™

'Defining *Life's* Signals'