

# Summit IP™

Affordable, True Inductive Plethysmography



## Gold Standard Respiratory Effort Measurements *Clear and Accurate*



Shown actual size

*“Now you’re watching every breath  
they take from the Summit.”*

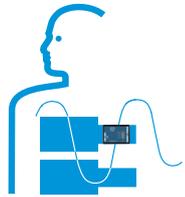
In clinical diagnosis and in sleep research, professionals recognize inductive plethysmography as one of the best methods for monitoring respiratory effort, particularly for detecting changes in effort that indicate hypopneas.

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 has developed and used in its PSG systems for more than 25 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 indicators of respiratory paradox.

\*Technical reference : Flemons WW, Buysse 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.



# 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



**Summit IP Kit Part Number: 9014-0001-01**

## Technical Specifications

**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:** 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

To find out more about this product,  
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