

THE RESMON PRO V3, THE NEW FOT SYSTEM, NOW MADE EVEN EASIER

Following the success of the Resmon™ PRO FULL, we introduce the Resmon™ Pro V3 - a higher level of FOT. This new advanced device uses the same superior measurement calculation algorithms and reporting with redesigned user interface and faster electronics. It has never been easier to accurately and non-invasively evaluate patients with COPD, adult and pediatric Asthma as well as airways clearance technique in physiotherapy. All it takes is a few normal tidal breaths.

The Resmon Pro V3 uses the forced oscillation technique (FOT) to measure the mechanical properties of the lung and airways. FOT easily assesses the respiratory system's response to acoustic waveforms sent to the opening of the airway into the lungs at different frequencies. The Resmon Pro V3 is an essential tool for all patients including individuals who cannot perform spirometry, elderly, pediatric and those with neuromuscular diseases



The Resmon Pro V3 can provide a simple, effort-independent way to detect airways obstruction and localizing it as peripheral, central or heterogeneous. During the test, the Resmon Pro V3 will measure small and central airways function and also assess tidal expiratory flow limitation (EFL) in adults while aiding in bronchial reversibility testing or trending it over time for therapeutic monitoring.

With such versatility, the Resmon Pro V3 is ideal for virtually any testing environment—including pulmonary laboratories, at the bedside, private offices, onsite school or workplace settings and sites for clinical trials or research studies.



RESMON PRO V3 SYSTEM

DESIGNED, DEVELOPED, PRODUCED AND SUPPORTED BY EXPERTS

The Resmon Pro V3 is the result of more than 15 years of research conducted in cooperation with key scientific, clinical and research centers in Europe, US and Australia.

GREAT FEATURES FOR CLINICAL AND RESEARCH USE

- "WITHIN-BREATH" ANALYSIS OF BREATHING PATTERNS AT FAST SAMPLING FREQUENCY (200 HZ)
 - Real-time display of resistance (Rrs), reactance (Xrs) and flow
 - · Accurate measurement of inspiratory, expiratory and total parameters
 - Full respiratory pattern measurement and reporting of VE, VT, RR, Ti/Ttot, Vt/Ti, Vt/Te
- THREE MEASUREMENT MODES:
 - Innovative "enhanced optimized" multi-frequency mode of 5-11-19 Hz
 - Single-frequency mode options of 5, 6, 8, 10 Hz (for children, severely obstructed patients and special research purposes)
 - "Enhanced optimized" Pseudo Random Noise (PSN) of 5-37 Hz
- EXCLUSIVE "10 ACCEPTED BREATHS" MODE WITH AUTOMATIC END-OF-TEST
 - Comfortable testing for the patient with an automatic discard of non-physiological and noncoherent breaths, choice of number of accepted breaths, 10, 15, 20 etc. to end the test automatically, minimizing operator intervention.
- AUTOMATIC STIMULUS ADJUSTMENT
 - Automatic adjustment of stimulus amplitude based on patient impedance to maximize measurement quality (and for optimal patient comfort)
 - CV % (coefficient of variation) within-measurement and within-session (with multiple trials capability), Z-score for predicted normal value % calculation
- MINIMAL DEAD SPACE OF ONLY 35CC
- PATENTED, AUTOMATIC DETECTION AND QUANTIFICATION OF EXPIRATORY FLOW LIMITATION (EFL) WITH ΔXRS INDEX GRAPH AND % OF FLOW LIMITED BREATHS (FL%), ALSO USED FOR PRE-POST BRONCHODILATOR OR PRE-POST TREATMENT EVALUATION (PATENT NR. WO2003103493).
- NEW Slow Vital Capacity testing (NOT available in the US, not FDA approved)
 - SVC for monitoring of restrictive patterns
 - IC for hyperinflation detection, pre-post testing for evaluating effect treatment



CONVENIENT SIZE AND FUNCTIONS

- Self-contained and compact unit with password access, built-in PC, with data transfer on USB memory stick and directly to PCs via USB-OTG
- Easily transportable allowing for testing at the bedside, in the lab and at off-site locations (school, office, etc.)
- Quiet operation with automatic "active-wash" silent fan for expired CO2 removal from the system
- Suitable for children, 35 ml dead space
- Unique impedance verification tube included, to daily check the accuracy of both resistance (Rrs) and reactance (Xrs) before the first daily trial using an automatic, software driven procedure.
- Wide 10.1 in (25.7 cm) high-resolution color touchscreen for fast, easy and intuitive test management
- Built-in database to store and retrieve patient data
- Multi-user access with password protected data security
- Detailed report of results for further trending, analysis and statistics Data available in RAW waveform data, XSL/CSV and PDF output
- Connectivity options, USB and HDMI ports

PUBLICATIONS

The Resmon Pro has been used in a wide selection of publications for clinical and research uses in asthma, COPD and evaluation of airways clearance therapies. Updated list available upon request.

SPECIFICATIONS

FLOW MEASUREMENT Mesh type

RANGE ±1.5 L/s LINEARITY

MOUTH PRESSURE

MOUTH PRESSURE LINEARITY

0.05% full scale

RESOLUTION

PHYSICAL DIMENSIONS

WEIGHT

TESTING "WITHIN BREATH"

SIGNALS MODE

SINGLE FREQUENCY

MULTIPLE FREQUENCY

PSEUDO RANDOM NOISE (PSRN)

MEASUREMENT ACCURACY

FOR IMPEDANCE PARAMETERS

FOR BREATHING PATTERN PARAMETERS

FOR VOLUME PARAMETERS

measured value

PRESSURE

ENVIRONMENTAL SENSOR* *NOT AVAILABLE IN US NOT FDA APPROVED

CALIBRATION

PATIENT LOAD

DEAD SPACE

CONNECTIVITY

PROCESSOR AND MEMORY

DISPLAY

Medical grade 100/240 V, 50/60 Hz 60 W input AC/15 VDC output power supply (included) **ELECTRICAL SPECIFICATIONS**

STAND-BY CURRENT AVERAGE CURRENT MATERIALS EXTERNAL CASE

SUPPORT ARM

LOUDSPEAKER MEMBRANE

European MDD 93/42 - CE | US FDA (K152585) | Australia TGA | Health Canada CERTIFICATION

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