

RESMON First

THE FIRST MINI OSCILLOMETER

Miniaturized centrifugal fan for the generation of pressure oscillations

Detachable breathing pathway for easy cleaning and disinfection

Internal dead space of 23 ml

Pulse oximetry sensor for SpO₂ and heart rate measurement

USB-C port for data transfer and battery charging

2" capacitive touchscreen display with touchkeys

Embedded triaxial accelerometer for correct head positioning

Li-ion battery for over 50 consecutive measurements OR more than 15 days in standby

Model: FIRST (REF: RT1105)

RESMON FIRST is distributed in your country by:

Some of the described features may not be approved for use in your country/region. Please contact your local distributor for further information. This brochure is not intended for the U.S. market.

RESTECH
RESPIRATORY TECHNOLOGY



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RESMON First

THE FIRST MINI OSCILLOMETER



RESTECH
As simple as breathing

First

The first mini-oscillometer, a revolution in pulmonary diagnostics.

FIRST is a revolutionary medical device for easy, fast, reliable measurements of respiratory function during normal tidal breathing, all in a compact stand-alone handheld device.

FIRST utilizes OSCILLOMETRY or FOT (forced oscillatory technique) to detect and localize peripheral and central obstructions, as well as tidal Expiratory Flow Limitation (EFLt). The compact, stand-alone design makes it easy to use in any setting, whether it's in the clinic or in primary care offices.

Using FIRST, healthcare professionals can quickly identify and detect respiratory dysfunctions, supporting better diagnosis, more effective treatment and improved patient outcomes.

PRODUCT FEATURES

- Stand-alone, truly portable system, battery powered, weight <500 gr.
- Color touch-screen display a user-friendly interface for easy operation.
- Simple measurements of 10 accepted tidal breaths, with automatic artifact rejection.
- Compliant with the latest international ERS standards.
- Color coded results for easy evaluation.
- Patented fan-based design for the measurement of respiratory impedance and breathing pattern.
- Integrated Pulse Oximetry sensor.
- Built-in accelerometer to track patient head and neck position during the test.

MEASURED PARAMETERS

- Lung function by oscillometry (FOT): within-breath (Total, Inspiratory and Expiratory) Resistance and Reactance, tidal Expiratory Flow limitation (ΔXrs , patented), with color coded normal ranges.
- Breathing pattern: Minute ventilation (VE) for quality control of the measurement.
- Saturation and Heart rate (spot check).

FIELDS OF APPLICATION

- Combined detection of airway obstruction, tidal expiratory flow limitation, saturation and heart rate in Asthma, COPD and patients with multiple comorbidities, pulmonary rehab and neuromuscular disorders.

Measure of the respiratory response to therapeutic treatments aimed at improving airway obstruction, even at the bedside.

- Ideal for: Private clinics, specialist offices, rehabilitation, hospital wards, primary care, general practitioners, family pediatricians, diagnostic centers, occupational medicine for on-the-field measurements.

