



antlia Pro[®]

Pulmonary function test device

AI Based Oscillometry Device

★★★★★ India's 1st FOT Device ★★★★★



FEATURES & BENEFITS

- ▶ **Get a detailed picture of the lungs**
 1. Uncover Small Airway Disease - Respiratory Mechanics Info at Your Fingertips
 2. Complete lung health - Precise treatments for patients
 3. Intra-Breath Analysis for Detailed Respiratory Insights - Early diagnosis and Time Course of the disease
- ▶ **Suitable for all your patients**
 1. Simple Tidal Breathing - No Hassle for the patient
 2. Customized Cut-off Values for the Indian Population
 3. Wide Frequency Range for Comprehensive Analysis - Covers All Age Groups
- ▶ **Device made for you**
 1. Quick Results in Minutes - Fast and Efficient
 2. Portable and Lightweight - Take It Anywhere
 3. Daily Self Calibration as per ATS Standards - Stay Calibrated with Ease



Patented Design



*Delivering Accurate Results,
Enabling Improved Outcomes*

Making The Pulmonary Function Test
Simple and Precise



Technical Specification

Flow measurement	Calorimetric
Excitation	Pseudo Random Noise (PSRN)
Mouth pressure range	+/-25 cmH2O
Pressure transducer	Piezo-Resistive
Measurement Duration	24 seconds
Testing signal mode	Mono Frequency: 5, 7, 19 Hz Multi Frequency : 5, 11, 13, 17, 19, 23, 29, 31, 37 Hz
Device Impedance <0.1 kPa/L/s (As per ERS Guidelines)	<0.1 kPa/L/s
Raw Data Signal	Volume & Mouth Pressure
Measurement principle	Forced oscillation technique
Flow Range	+/-3.3L/s
Physical Dimensions	225 x 140 x 230 mm
Weight	2.7 kg
Frequency range	5-37 Hz
Calibration	Factory Calibration + auto-zeroing of the sensors before each test. Calibration check with a test object (Reference impedance), External load provided.

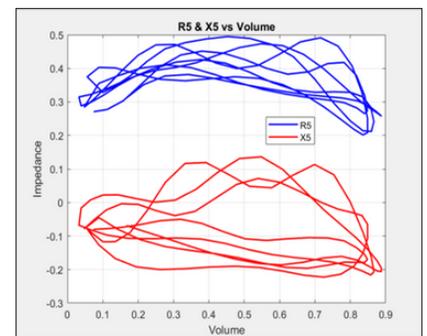
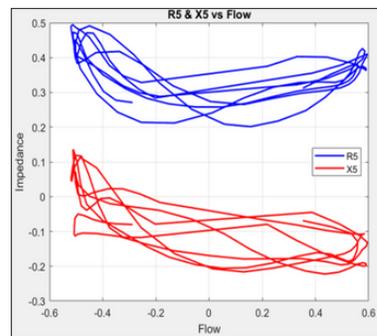
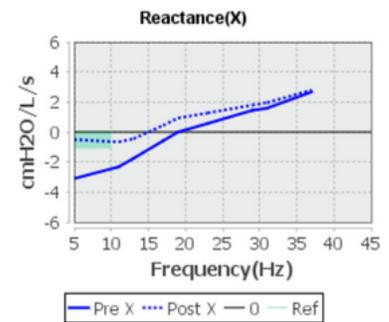
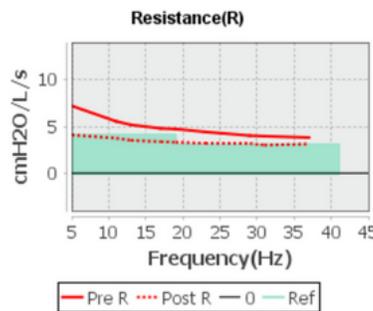


Parameters and Report

Parameter	Description
Z	Overall Airway Impedance at 5 and 19 Hz
R	Airway Resistance at 5 and 19 Hz
X	Reactance at 5 and 19Hz
Ax	Area of Reactance
Fres	Resonant Frequency

Parameter	Description
Vt	Tidal Volume
R/X ins and exp	Inspiration and expiration R and X (intra-breath parameters)
T ins and exp	Inspiratory and expiratory time
CoV	Coefficient of variability at R5 and Z5
RR	Respiratory Rate

R and X graph:



Contact Us



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