



ANTLIA

Pulmonary Function Test device



Features:

- Fast & easy, minimum cooperation required by the patient
- Device is used to detect COPD, Asthma and ILD /Fibrosis
- Captures small airways and peripheral airway heterogonies.
- Best suitable for Adult & paediatric:
- Bronchodilator support: Efficient reversibility testing.
- Easy to distinguish normal and abnormal patients

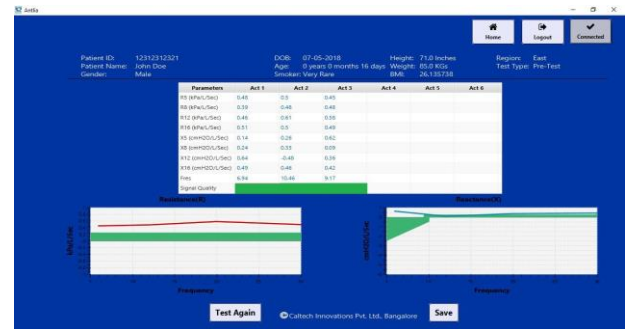
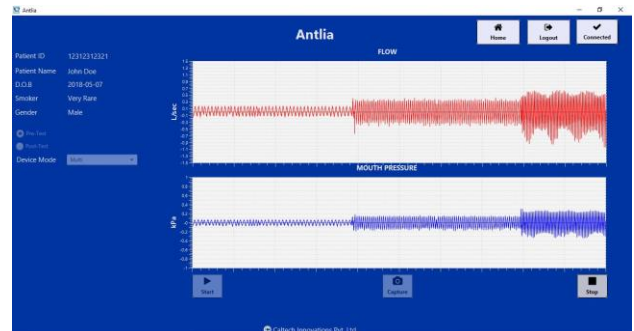


Manufactured by: Caltech Innovations Pvt Ltd, Bangalore

An ISO 13485: 2016 Certified Company

Application Features:

- The ANTLIA comes with MS Windows™ software designed according to the latest guidelines concerning user interface and ease of use. The software provides full patient database management and calibration tools.
- “User friendly” interface
- Pre-Post display of bronchodilator/bronchoconstrictor test
- Comprehensive printout report
- Save as Pdf option
- Easy test quality control by the analysis of the breathing pattern and of the quality index displayed for all the frequencies (5-25 Hz)



Outcome Parameter:

- ▶ R5, R10, R16, X5, X10, X16 and Resonant frequency(Hz).
- R5: Low-frequency Resistance (5 Hz), reflects overall resistance.
- R16: Mid-frequency Resistance (16 Hz), reflects mostly conducting airways.
- R5-R16: Reflects Resistance in the small airways
- X5: Low-frequency Reactance (5Hz), reflects compliance & small airways.
- Fres: Resonance frequency, increases in small airway disease.
- World's first IOT pulmonology device

Technical Specification:

Measurements	
Measurement principle	Forced Oscillation Technique
Patient Connection	Via disposable mouthpiece and bacterial/viral filter
Measurement mode	Mono frequency mode Multi frequency mode
Measurement Duration	12 secs - Mono frequency 36 secs - Multi frequency
Accuracy	±10% with known impedance of 0.2kPa/l/s & 0.5kPa/l/s
Report screen	Frequency plots for R & X in kPa/l/s
Computer & Software	
Operating system	Windows7 and higher, RAM 4GB minimum, processor Core3
Device connectivity	USB2.0 Type B Serial communication cable,
Software Language	English
Electrical Rating	
Input voltage	100-240V AC, 1.3-0.6A, 50-60Hz
Output voltage	24V DC 3.75A
Safety & Quality standard	EN 60601-1 (safety) / EN 60601-1-2 (EMC)

Contact Details:

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