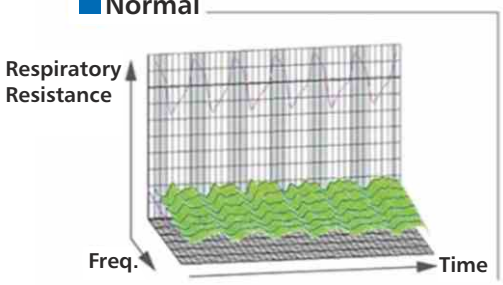
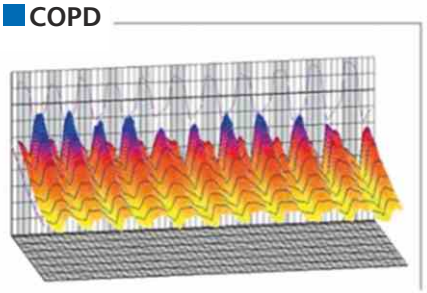
MostGraph-02
FOT Device

Spirometer (Module)

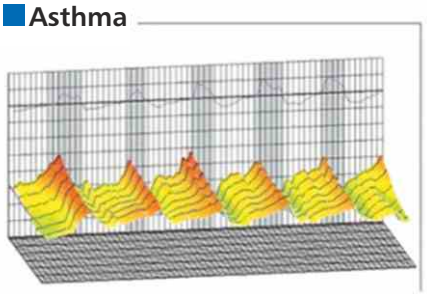
Normal



COPD



Asthma



IDEAL FOR ADULT/PEDIATRIC USE

EARLY DETECTION OF CHRONIC LUNG DISEASE

RESPIRATORY DIAGNOSTICS WITHOUT PATIENT'S COOPERATION

Features

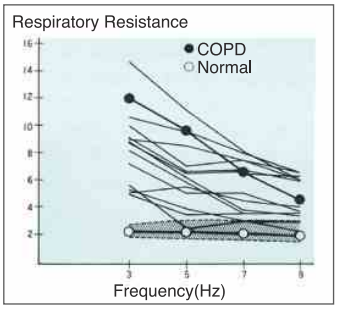
- Total Respiratory Resistance and Reactance by Forced Oscillatory Technique (FOT)
- Quick and Simple testing by quiet breathing. Test is done in 20sec
- Patient cooperation-independent, no special respiratory maneuver is required
- Graphics 3D interpretation of report
- 10.4'' TFT Touch screen Monitor
- Typical waveform patterns of Normal, COPD & Asthma patients.
- Respiratory resistance with Pre/Post Bronchodilator for early diagnosis of Asthma
- Breath by breath analysis of each Exhalation and Inhalation
- Assessment of Airway obstruction & bronchial reversibility
- Coefficient of variation or coherence at each frequency for quality assurance
- Complies with ATS/ERS guidelines
- Multi user security data security
- Spirometery (Optional)

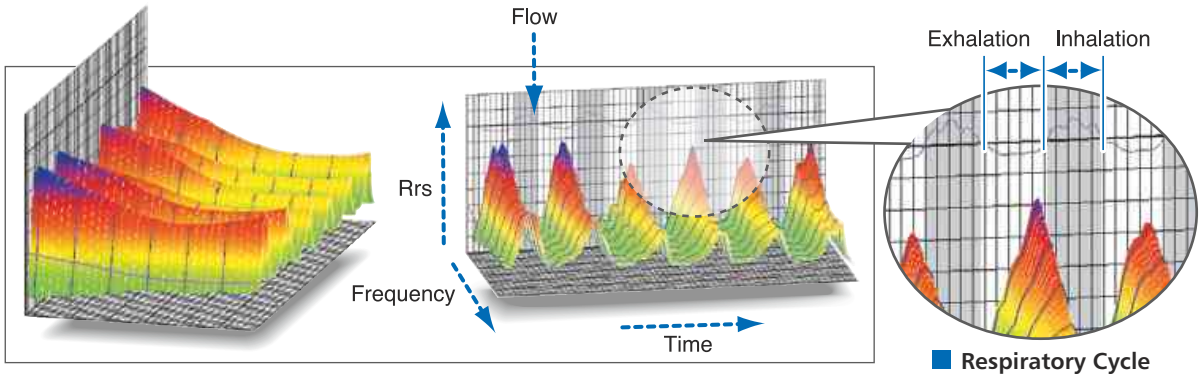
MostGraph-02
FOT Device

FORCED OSCILLATORY TECHNIQUE

Total respiratory, pulmonary and chest wall flow resistance were determined by means of forced pressure and flow oscillations superimposed upon spontaneous breathing in a group of patients with varying degrees of obstructive lung disease. The total respiratory resistance decreased with increasing frequencies (Frequency Dependence). Measurements of total respiratory resistance by the forced oscillatory technique to be useful for assessing abnormalities in airway.

*Grimby G, Takishima T, et al. J Clin Invest, 47 : 1455-65, 1968





Frequency Dependence

Respiratory Cycle Dependence

Measured Parameters

FOT	R5, R20, R5-R20, X5, Fres, ALX
Spirometry (Option)	SVC, FVC, TV, FEV0.5, FEV1, FEV3, FEV6, FEV0.5/FVC, FEV1/FVC, FEV1/SVC, FEV3/FVC, FEV6/FVC, FEV1/SVCpr, MMEF, PEF, FEF25, FEF50, FEF75, FEF90, MMEF/FVC, FEF50/FEF75, FEF75-85, FEF200-1200, PEF time, FET, ExtrapV, ExtrapV%, FIVC, FIV0.5, FIV1, FIV1/FVC, FIV1/FIVC, PIF, FIF50, FEF50/FIF50, FIF50/FEF50, MVV43, FVC+FEV1, MVV, MV

Specifications

FOT	Flow detection	Lilly type Pneumotach meter
	Flow range	0-±2.6L/S
	Pressure range	0-±5.00cmH2O
	Respiratory resistance accuracy	±3% (@2cmH O/L/S)
	Frequency range (Pulse wave)	4-36Hz (at 4Hz intervals)
	Frequency range (Noise wave)	4-36Hz (at 2Hz intervals)
	Time resolution	0.25 sec.
Spirometry (Option)	Flow Detection	Lilly type Pneumotach meter
	Flow range	0-±14L/S
	Volume Detection	Flow integration
	Volume range	0-±10L
	Volume accuracy	±3% or ±50ml, whichever is greater
	Computer	Embedded, Core i3 Processor, 4 GB RAM, 512 GB Hard, Windows 10 OS Enterprise
	Printing options	PCL standard, direct to printer
	Export	CSV output via USB
	No.of tests	>20,000 tests
	Age range	Spirometery >4 years FOT >3 years
	Power supply	AC100-240V, 50/60Hz
	Operating Conditions	Temp 5-40°C / 41-104°F Rel. Humidity 15-95% No condensation Athmosph. Pressure 700-1060 hPa
	Dimensions	W35 X D32 X H27cm (Main unit)
	Weight	Approx 11kg

Specifications are subject to change without notice.

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