

### A Powerful Solution for PC-Based Spirometry

The Micro Direct **Pneumotrac** combines our stable Fleisch pneumotachograph with our user-friendly Windows Spirotrac PC software to create a powerful solution for PC-based spirometry.

The Spirotrac software is an easy-to-use spirometry data collection and database system that offers powerful comparative and long term trending facilities.

Requiring a USB port, the **Pneumotrac** is ideal for use on any Windows based laptop or desktop computer. Simply install the Spirotrac software and the **Pneumotrac** sensor and you are ready to go. The ease of use means reduced training times and faster patient turnaround. The child incentive displays and ATS quality checks ensure maximal results every time.



### Features

- USB plug and play device
- Accurate, robust and linear Fleisch pneumotachograph
- Spirotrac software is simple to use and used by thousands of clinicians worldwide
- Scalable volume/time and flow/volume curves
- Optional choice of child incentives with sound effects and transparency so real-time curves are simultaneously viewable
- Pre-post spirometry comparison for bronchodilator or longer-acting treatments
- Choice of over 50 user selectable parameters
- Hygienic drying fan to inhibit micro-organism survival
- Automatic log of accuracy checks and calibration updates
- Methacholine and Mannitol Bronchial Challenge (ATS and Mannitol)

## Technical Specifications:

### Product:

Micro Direct Pneumotrac

### Model No:

MD7700

### PC Operating System:

Networked or Stand Alone Window XP, 7 and 8.

### Size:

6.5" x 6.4" x 6.6"

### Weight:

1.3 pounds

### Parameters:

Selectable

### Operating Temperatures:

62.6 - 98.6° F  
Design Limits 50 - 104° F

### Power Supply:

From computer USB port and 9V battery for hygiene fan

### Flow Detection Principle:

Fleisch type pneumotachograph

### Volume Detection:

Flow integration sample @ 100 Hz

### Accuracy when in Operating Range:

Volume: Better than +/- 3% (Max 8L/Min 0L)  
Flows: Better than +/- 5% (Max 16 L/s / Min 0.02 L/s)  
Linearity: +/- 1% in range 0.1 L/s to 16 L/s

### Max Test Duration:

20s FVC; 30 s VC

### Performance Standards:

ATS/ERS 2005 & EN 13826

### Safety Standards:

EN ISO 60601-1:2005 -1 -2 -4

### Medical Safety Standard:

Medical Devices Directive  
93 / 42 / EEC 1993

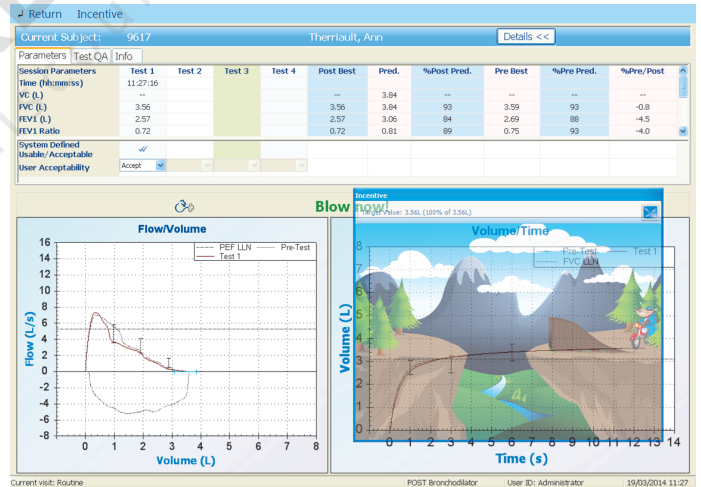
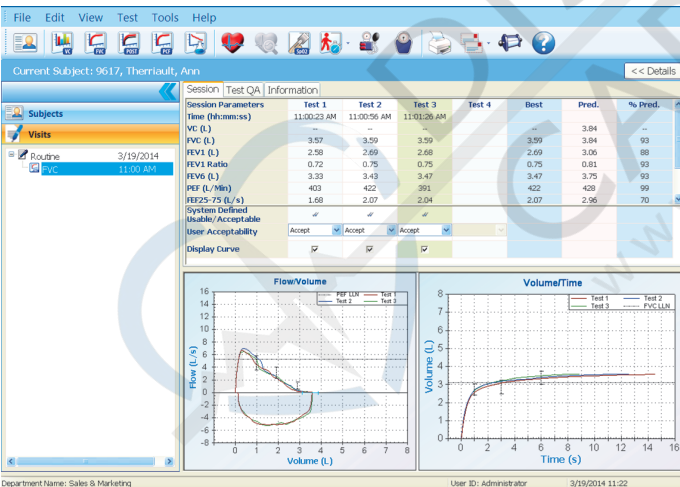
### Designed and Manufactured Under:

ISO 13485:2003, FDA 21 CFR20, CDMR & JPAL

## Ordering Info:

### Catalog #:

MD7700	Pneumotrac with Spirotrac software
3385	SpiroSafe Filters (Bag of 100)
3395	MicroCheck Mouthpieces Cardboard (Box of 200)
3397	MicroCheck Mouthpieces Plastic (Box of 200)
3314SB	Cardboard Mouthpieces (Box of 200)
3314B5	Cardboard Mouthpieces (Box of 500)
PSA1100	Pediatric Adapter
3301	Pediatric Mouthpieces (Bag of 100)
3304	Nose Clips (Bag of 20)
3325	3L Calibration Syringe
42084	Flow Condition Meshes (10)



### MD Spiro

803 Webster Street  
Lewiston, ME 04240  
Telephone 800-588-3381  
Fax 207-786-7280  
[www.mdspiro.com](http://www.mdspiro.com)

The Pneumotrac (Cat. No. MD7700) is part of an extensive range of respiratory monitoring equipment offer by MD Spiro

MD Spiro, Inc pursues a policy of continuing improvement in design, production and performance of its products. The right is there reserved to vary details at any time and without notice.