

A Powerful Solution for PC-Based Spirometry

The screenshot displays the software interface for a PC-based spirometry session. At the top, it shows 'NEW FVC SESSION' with patient ID '2020157_181757031' and date '05/06/2020'. The main area contains a table of test results for three consecutive tests.

| Artefacts | Test 1 18:37:20 | Test 2 18:38:28 | Test 3 18:39:00 |
|---------------|--------------------|--------------------|--------------------|
| Start of Test | ✓ | ✓ | ✓ |
| Cough Free | ✓ | ✓ | ✓ |
| FEV1 | ✓ | ✓ | ✓ |
| Flow Plateau | ✗ | ✗ | ✗ |
| FVC vs FIVC | ✓ | ✓ | ✓ |
| EOFE | ✗ | ✗ | ✗ |
| FVC | ○ | ○ | ○ |

Below the table, there are sections for 'FVC Acceptability', 'FEV1 Acceptability', and 'Acceptability', each with 'Accepted #' and 'Rejected #' counts. On the right, a 'Repeatability' summary shows 'Good Session' and 'FEV1 Good 0.10'. A 'Reference Info' section lists 'Current Visit', 'Previous Visit', and 'Previous'.

At the bottom, two graphs are visible: 'FLOW/VOLUME' showing Flow (L/s) vs Volume (L) and 'VOLUME/TIME' showing Volume (L) vs Time (s). A 3D model of the white and blue Pneumotrac device is overlaid on the right side of the screenshot.

Your Spirometry Specialist for Over 30 Years

A Powerful Solution for PC-Based Spirometry

Performing spirometry tests could not be easier than with the Pneumotrac Spirometer and Spirotrac 6 PC software.

The Pneumotrac features a highly accurate, extremely stable Fleisch pneumotrach and the Spirotrac 6 PC software meets the latest 2019 ATS/ERS standardization of spirometry ensuring testing meets the most up-to-date, internationally recognized guidelines.

The Pneumotrac connects instantly to your PC by USB and captures reliable tests results immediately using the Spirotrac 6 software. These results can be stored, printed or shared easily with compatible Electronic Medical Record (EMR) systems.

Real-time curves and new animated incentives encourage maximal patient performance and obtain prompt quality feedback using the latest test session/session acceptability, usability and repeatability criteria.

Using the MDSpiro SpiroSafe viral/bacterial filters provide a significant level of protection for the patient, the device and your staff.

Users will also have access to SpiroTutor, an online training resource for clinicians to access 24/7.

This new generation Pneumotrac combined with the SpiroTrac 6 software is a powerful tool for respiratory diagnosis backed by Micro Direct's 30 years of service.

Features

- Accurate, Stable Fleisch Pneumotach
- Meets 2019 ATS/ERS Standards
- Real-time Curves and Choice of Animated Incentives
- Instant Quality Feedback
- GLI Predicted Equations with LLN, and %Pred
- Automatic Interpretation based on ATS/ERS & GOLD Standards.
- Clear, Easy-to-Read Reports
- Pre/Post Bronchodilator Comparison
- Trend Analysis with Graph and Table of All Results
- Comes with Connect Software for EMR Connection
- 5-Year Warranty with Pneumotrac Product Registration

Ordering Information

| MD Order Number | Product Description |
|-----------------|-----------------------------------|
| MD6800 | Pneumotrac w/SpiroTrac 6 Software |
| 3325 | 3-Liter Calibration Syringe |
| 3385 | SpiroSafe Filter |
| 3304 | Nose Clips (20/pack) |



Technical Specifications

Product

Pneumotrac Spirometer w/SpiroTrac 6

MD Order #:

MD6800

Dimensions

6.3" (Length) x 3.75" (Width) x 4.5" (Height)

Weight

1 Pound 3 Ounces

Flow Detection Principal

Fleisch Type Pneumotachograph

Volume Accuracy

Within $\pm 2.5\%$

Volume Detection

Flow Integration Sampling @ 100Hz

Flow Measurement Range

Maximum Flow Rate ± 960 L/M (± 16 L/S)

Minimum Flow Rate ± 1.2 L/M (± 0.02 L/S)

PEF Accuracy

Within $\pm 10\%$

Back Pressure

Less than 0.1 kPa/L/S @ 14 L/S

Operating Temperature

ISO26782 Limits: 62.6 - 98.6° F

Design Limits: 50 - 104° F

Operating Humidity Range

30% - 75%

Ambient Pressure Range

850hPa - 1060hPa

Performance Standards

ATS/ERS 2019, ISO 23747:2015 & ISO 26782:2009

QA/GMP Standards

EN ISO 13484, FDA 21 CFR 820, JPAL, MDSAP

Communications

USB 2.0/3.0

Power Supply

5V DC via USB

Device Classification

Class II (USA) / IIa (EU) Medical Device

