

## High Quality Spirometry on the move

Performing spirometry tests, in any environment, could not be easier than with the new Micro Direct **In2itive** spirometer.

Simply enter the patient's details on the color touch-screen display, select FVC or VC and begin the test series.

Test information is presented in an easy to read format on a clear, bright color display. The best test is automatically selected and built-in quality control checks insure accurate results.

Test data along with the diagnostic interpretation and estimated lung age can be instantly printed via an external printer or downloaded to the included Spirotrac PC software for permanent storage and trend analysis.

The **in2itive** features a highly accurate Fleisch pneumotach flow measuring system, battery operated portability and is shipped complete with all necessary accessories in a robust carrying case.

The easy to use and affordable **In2itive** spirometer provides a fast, accurate and cost effective spirometry solution.



### Features

- Rapid, low cost testing
- Robust Fleisch pneumotach
- Color high resolution touch-screen
- 8 1/2" x 11" printout via USB printer or PC
- Rechargeable battery pack
- Real-time FV or V/T curves
- Choice of child incentives
- Simple icon driven menus
- On-screen test quality prompts
- Pre/Post bronchodilator comparison
- Includes Spirotrac PC software
- 5-year parts and labor warranty

## Technical Specifications:

**Product:** Micro Direct In2itive

**Model Number:** MD7900

**Subjects:** Automatic population of database from Spirotrac. Name, ID, Age, Height, Gender, Smoking Status, Body Mass Index and more depending on model. Storage of up to 10,000 subjects

**Environmental Data:** Selectable; Temperature (built in sensors), Barometric Pressure, Altitude, Humidity

**Test Types:** Single breath tests, flow/volume loops, multi-breath testing, tidal breathing and combined VC/FVC type test methods supported

**Parameters Measured** (depending on model): VC, IVC, IC, VT (TV), TLC, RV, IRV, ERV, FRC, FVC, FIVC, FEV<sub>1</sub>, FEV<sub>3</sub>, FEV<sub>6</sub>, FEV<sub>1</sub>/VC, FEV<sub>1</sub>/FVC, FEV<sub>3</sub>/VC, FEV<sub>3</sub>/FVC, FEV<sub>1</sub>/FEV<sub>6</sub>, FEF<sub>75</sub>, FEF<sub>50</sub>, FEF<sub>25</sub>, FEF<sub>25-75</sub>, FEF<sub>25-75</sub>/FVC, FIV<sub>1</sub>, PIF, FIV<sub>1</sub>/FIVC, FIF<sub>25</sub>, FIF<sub>50</sub>, FIF<sub>75</sub>, FEF<sub>50</sub>/FIF<sub>50</sub>, FET, MVV<sub>ind</sub>, FEV<sub>1</sub> Ratio, FEV<sub>0.5</sub>, PEF L/min, PEF L/sec, FEF<sub>0.2-1.2</sub>, FEF75-85%, FEF25%, FEF50%, FEF75%, FMFT, FIF25%, FIF50%, FIF75%, PIF, FEV<sub>0.75</sub>, Lung Age and more

**Predicted Normals:** NHANES III, Polgar, Knudson, Crapo, Hsu and many more

**Suggested Interpretation:** User Selectable

**Flow Technology:** Fleisch Pneumotachograph

**Resolution:** 10 mL volume; 0.01 L/s flow

**Data Storage:** Stores up to 10,000 subjects and hundreds of test sessions

**Accuracy when in Operating Range:**

Volumes: Better than +/- 3% (0 - 10 L)  
Flows: Better than +/- 10% (0.02 - 16 L/sec)  
Linearity: +/- 5% in range 0.1 to 16 L/s

**PowerSAFE™:**

Input 100 - 240V AC 50-60Hz  
Output - 5V DC

**Battery Pack:** Rechargeable Lithium Polymer

**Dimensions:** 6 1/4" x 4" x 1 3/4"  
with flowhead attached

**Weight:** 8 ounces net

**Weight and Dimensions (Packed):**  
3 pounds 5 ounces  
8 1/2" x 4" x 6 1/4"

**Storage Humidity:** 10% to 95%

**Storage Temperature:** 32-122°F

**Recommended Operating Range:**  
63-98°F; Design Limits: 50 - 104°F

**Ambient Humidity:** 0% to 99%

**Connectivity:** USB 2

**Max Test Duration:** 20 sec. FVC; 30 sec. VC

**Performance Standards:** ATS/ERS 2005

**Safety Standards:** IEC 60601-1:2005

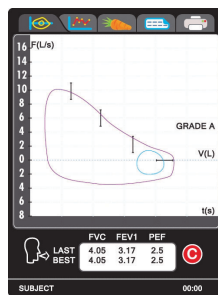
**Medical Safety Standards:**  
Medical Devices Directive 2007/47/EC

**Designed & Manufactured Under:**  
ISO 13485:2003, FDA 21CFR820  
CMDR & JPAL

## Ordering Info:

### Catalog #:

MD7900	Micro Direct In2itive
3385	SpiroSafe Filters (Bag of 100)
3395	MicroCheck Mouthpieces (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



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