

# MicroLoop Spirometer

Available for hire or purchase for your clinical trial.



## Overview

The MicroLoop spirometer is highly portable and beautifully designed, the new generation MicroLoop has been developed for the professional. Employing a Precision Gold Standard Digital Volume Transducer, it is especially suited to measuring low flow rates in patients with COPD and Asthma.

It has a high-resolution colour touch-screen where features can be easily accessed. The MicroLoop has a desk-top docking station which makes battery charging, connection to a PC, the uploading of data and the printing of results to external printer quick and simple.

## Operating Features

- High definition colour touch-screen
- Fast on-screen textual entry
- Fully customisable printout format
- Desktop docking station for battery charging and PC/Printer connection
- Direct connection to external HP printers
- Unique contextual help screens (language selectable) with dedicated help button
- 41 inspiratory and expiratory indices measurable
- On-screen graphical child incentive device
- Large 2,000+ patient test memory
- Optional Spida 5 or SpidaXpert PC software
- Internationally recognised on-screen test quality assurance prompts (e.g. slow start, abrupt end etc)
- Unique 'today's testing feature'
- Numerous predicted values and languages selectable
- 'Lung Age' assessment and textual result interpretation
- Body Mass Index and Dyspnoea Score
- Bronchodilator and/or Steroid assessment

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## Specification

- Measurements: VC, FEV.75, FEV1, FEV3, FEV6, FVC, PEF, FEV.75/VC, FEV.75/FVC, FEV1/VC, FEV1/FVC (FER), FEV3/VC, FEV3/FVC, FEV.75/FEV6, FEV1/FEV6, FEF25 (MEF75), FEF50 (MEF50), FEF75 (MEF25), FEF25-75 (MMEF), FEF50/VC, FEF50/FVC, MMEF/FVC, FEF25-75/FVC, FIV1, FIVC, PIF, FIV1/FIVC (FIR), FIF25 (MIF75), FIF50 (MIF50), FIF75 (MIF25), R50 (FEF50/FIF50), MET25-75, FET, MVV (ind.)
- Test Per Subject: 5 relaxed VC manoeuvres and 8 forced manoeuvres for each baseline and two post examinations
- Predicted Values: various dependant on national preference (including NHANESIII)
- Transducer: Gold Standard Bi-Directional Digital Volume
- Resolution: 10ml volume 0.025l/s flow
- Accuracy:  $\pm 3\%$  (to ATS recommendations)
- Power Supply: input: 100-240V AC 50-60Hz output: 5V 2.0A
- Weight: MicroLoop - 191g, Docking station - 124g
- Dimensions: 123h x 81w x 23d mm (transducer) 60h x 90w x 50d mm



**Please contact us for a quotation for the hire or purchase of this product**

Product description: MicroLoop Spirometer

Product Code: WD7SPI003

Product specifications can be subject to change without prior notice. Version: V2 10/19

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