

SpiroTron™

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The MDX™ SPIROTRON Digital Spirometer is an apparatus designed to measure the total volume of air inhaled and exhaled by the lungs. Moreover, it has proved to be highly effective in the conducting of pulmonary function tests. The Spirometer is also loaded with all the advanced features that facilitates the user to use with ease.

Our health data analytic platform are designed to extend the reach of today's TeleHealth infrastructure - by enabling desktop computers to provide clinicians physiological information from patients in real-time. Such capability also opens the possibility of the concept of TeleTriage: a solution that can potentially alleviate the congestion in ER and reduce the significant cost of patient transportation.

- Stores 100 measurements for FVC, PEF, FEV1 and FEV1/FVC% parameters.
- Built-in predicted value for quick comparison.
- Software is cable of downloading the measurements, flow/volume and volume/time curves to a PC or laptop for professional patient monitoring.





Performance specifications

- ◆ Max volume: 10L
- ◆ Flow range: 2 L/S ~16L/S
- ◆ Volume accuracy: $\pm 3\%$ or 50ml (whichever is greater)
- ◆ Flow accuracy: $\pm 5\%$ or 200 ml/s (whichever is greater)

Operating Environment

- ◆ Temperature: $+5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- ◆ Atmospheric pressure: 70kPa ~ 106kPa
- ◆ Relative Humidity: $\leq 80\%$

SpiroTronTM

Features

- ◆ Ultra-thin design for portable carrying, easy operation for convenient test.
- ◆ Large TFT screen to display the test result clearly.
- ◆ Measure FVC, PEF, FEV1 etc. parameters synchronously.
- ◆ Support diagnosis evidence by volume and flow rate chart display.
- ◆ With precise, credible test result, and good consistency.
- ◆ Built-in predicted value, display the testee current condition by red, yellow, and green bar.
- ◆ Provide repeated measure and memorize the correlative data.
- ◆ Communication with the computer with the USB (or Bluetooth), which can calculate data, analyse trend and export.
- ◆ Built-in lithium battery, Battery power display.
- ◆ Automatic power-off when there is no operation in one minute.



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