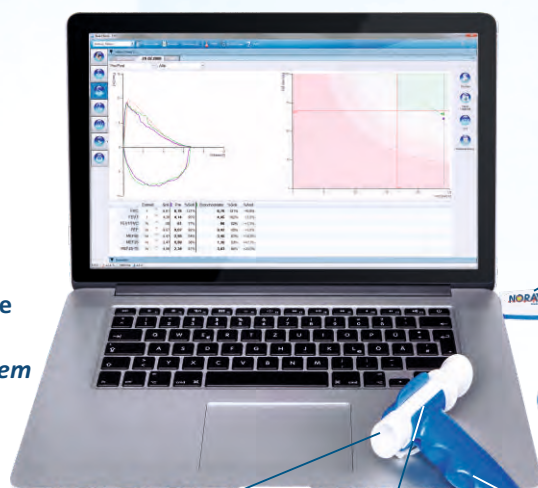


NSpiro Spirometer

Software

- Innovative
- Easy to use
- Automatic interpretation
- Database included - SQL
- Stand alone or Networked
- Data export to XML format
- Built-in GDT interface
- Optional built-in HL-7 interface
- Compatible with NEMS
Norav ECG-Management-System



Fast and Easy

- Latest technology
- Just connect to a USB port



Maximum Patient safety

- Disposable flow transducers for maximum safety and hygiene
- Ready for next use within seconds
- No extra mouth pieces or filters necessary



Minimum Dead Space

- Extremely low Dead Space allows accurate measurements even on little children



Reliable Test Results

- Accurate and reliable test results via calibrated disposable flow transducers
- Validated and tested to meet all *ATS Flow- and Volume Waveforms*

www.norav.com



NSpiro Spirometer

High-performance software

State-Of-The-Art technology - Extremely user friendly advanced diagnostic software. The powerful built-in SQL database allows a comfortable and easy Patient data management.

Networking - Easily network multiple systems. Manage all patient test results from a group of doctor's clinics or even use the **NSpiro** system at different locations within a single doctor's clinic.

Report Design - The advanced report design allows the user to print out the test results exactly as they appeared on screen during the test. This helps to minimize the risk of confusion when reviewing the results.

Data Trending and Statistics - By the use of the powerful statistics options of the database tool the **NSpiro System** is the perfect tool for Asthma management, early detection of acute respiratory disorders and for the use in pharmaceutical trials.

Revolutionary Hardware

No Filters - Ensures low resistance to flow on all spirometry tests.

Improved Patient Safety - The disposable flow transducer provides enhanced infection control.

Accuracy is our Standard - The **unique** flow transducers has been designed and tested to meet all *ATS Flow- and Volume waveforms*.

Incredibly low Dead Space - The **unique** flow transducer offers the lowest ever Dead Space . Less than 24ml and ensures that the NSpiro can be used to test even small children with extremely low ventilation.

Revolutionary snap change system - Operators never have to touch a used flow transducer again! Simply open the snap clip on the handle to allow the used transducer to fall out.

Easy USB connection - Easily connect the **NSpiro** Software Key to the PC. No additional power cables or battery chargers are needed.

Technical Data

Mechanical

Dimensions (LxWxH): 76.5 x 30 x 18.5 mm
Weight: 20g

Electrical

PC Interface: USB 2.0
IP Protection Type: VDE IPX0 IEC 529
MDD Classification: IIa according to EU Medical Device Directive 93/42/EEC, Appendix IX

Application component: Type BF according to EN 60601-1 (or VDE 0750)

Flow Measurement

Flow transducer: Spiraflow™
Measuring principle: Differential pressure
Measuring range: ±16 l/s
Resistance: <0.09 kPa/(l/s)<15 l/s
Effective Dead Space: 24 ml
Resolution: <1 ml/s
Sample rate: 125 Hz
Accuracy: ±3% or 20 ml/s

Volume Measurement

Volume measuring range: 0–20l
Volume measuring Accuracy: ±3% or 50 ml



Norav Medical cannot be held liable for any errors within this document. Images in this document may show optional features at extra charge.

Norav Medical reserves the right to change the product and its specifications without prior notice.

Norav Medical has been certified according to **EN ISO-13485**

Your Norav Medical representative: