



JNBIO

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JNBIO Co., Ltd.

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ACCURATE, SIMPLIFIED SPIROMETER

SPIROLENIS



Disposable Mouthpieces

Simple, Accurate, Hygienic Packed in a cleanSimple, 1 box / 25 pieces.

SPIRO LENIS Spirometer make it a useful, cost - effective device for detecting and managing pulmonary disease. It is packed with a host of features including full color touch screen, icon driven menu and highly accurate and robust flow sensor technology. High performance PC software for spirometry (always included with free software upgrades) View and analyze tests as patients perform them with large, real - easy - to - read display (Candle and Column of water display) Acquires, interprets and trends patient data for comprehensive view Simple, one - click print.

Simplicity

Lightweight, portable and suitable for adults and pediatrics
Easy to remove disposable mouthpiece.

Accuracy

Accuracy and precision meets ATS/ERS 2005 Standards.
Report to evaluate the patient's specific test parameters over time.

PC software

The digital spirometry system combines a digital spirometer with a Windows10 based software solution that makes it fast and easy to capture, interpret and review patient test information.



SPIRO LENIS SPECIFICATION

Display	Flow measurement	Interface
4" TFT LCD (800 X 480 resolution)	$\pm 14\text{L/s}$	Touch pad, 1-power key
Data transmission	Dimensions device	Weight (With Battery)
USB 2.0	200 X 71 X 30mm	300g
Memory	Volume accuracy	Flow accuracy
Up to 950 data	$\pm 3.0\%$ or 0.05L	$\pm 10\%$ or 10L/min (0.17L/s)
Data transmission		

FVC, FEV0.5, FEV1, FEV3, FEV0.5/FVC, FEV1/FVC, FEV3/FVC, PEF, FEF25-75%, MEF25%, MEF50%, MEF75%, FIV, FIV1, FIV1/FIVC, FIV1/FVC, PIF, SVC, IV, ERV, IRV, MVV, RR, PRE/POST test

COMPUTER -BASED SPIROMETER

SPIROFLO



Disposable Mouthpieces

Simple, Accurate, Hygienic Packed in a clean - room 1 box / 25 pieces.



SPIRO FLO Spirometer make it a useful, cost - effective device for detecting and managing pulmonary disease. High performance PC software for spirometry (always included with free software upgrades) View and analyze tests as patients perform them with large, real - time, easy - to - read display (Candle and Column of water display) Acquires, interprets and trends patient data for comprehensive view Simple, one - click print.



SPIRO FLO SPECIFICATION

Data transmission	Dimensions device	Weight
USB 2.0	195 X 50 X 46mm	200g
Memory	Volume accuracy	Flow accuracy
Minimum 2GB of system memory	±3.0% or 0.05L	±10% or 10L/min(0.17L/s)
Flow measurement	Parameters	
±14L/s	FVC, FEV0.5, FEV1, FEV3, FEV0.5/FVC, FEV1/FVC, FEV3/FVC, PEF, FEF25-75%, MEF25%, MEF50%, MEF75%, FIV, FIV1, FIV1/FVC, FIV1/FVC, PIF, SVC, TV, ERV, IRV, MVV, RR, PRE/POST test	

SIMPLIFIED COPD SPIROMETER

SPIROPICO



Disposable Mouthpieces

Simple, Accurate, Hygienic Packed in a cleanroom, hygiene is 100% guaranteed 1 box / 25 pieces.



SPIRO PICO is ideal for monitoring respiratory and in the self management of Asthma, COPD, and for use in Clinical Trials. For the home monitoring of FEV1, FVC, FEV6. SPIRO PICO identifies those at risk of COPD at the pre - symptomatic stage. Requires only minimal instruction for use by non- respiratory specialists.

Simple

Indicator on a large, easy - to - read display.

Accuracy

Accuracy and precision meets ATS/ERS 2005 Standards.

PC software

The digital spirometry system combines a digital spirometer with a Windows10. Printable report.

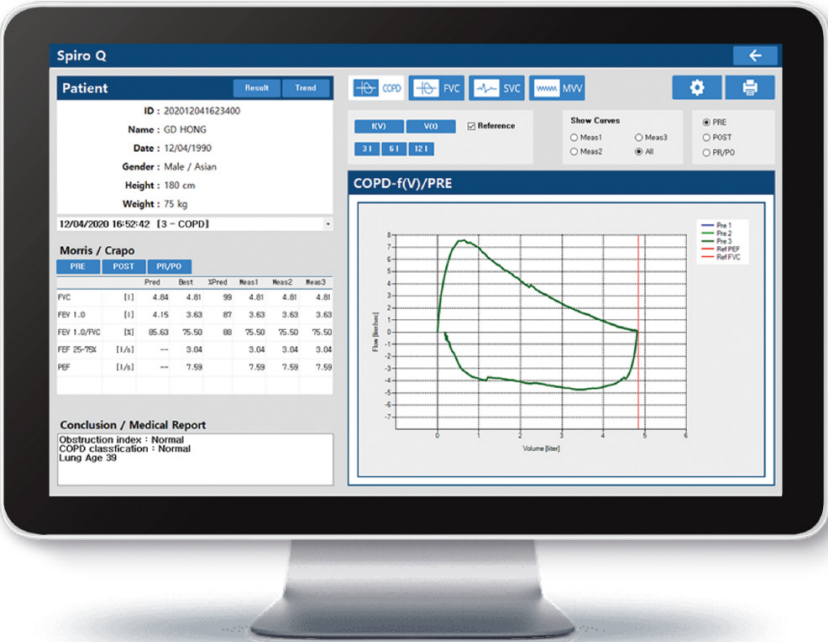


SPIRO PICO SPECIFICATION

Display	Flow measurement	Interface
1.5inch, TFT LCD 240X240 pixels	$\pm 14\text{L/s}$	Touch pad, 1-power key
Data transmission	Dimensions device	Weight (With Battery)
USB 2.0	120 X 46 X 40mm	95g (AAA batteries)
Memory	Volume accuracy	Flow accuracy
Up to 100 data	$\pm 3.0\%$ or 0.05L	$\pm 10\%$ or $10\text{L/min}(0.17\text{L/s})$
Parameters		
FVC, FEV1, PEF, FEV1/FVC Ratio, FEV6		

SPIRO Q

The SPIRO Q is PC software designed for pulmonary function testing and is used in conjunction with the JNBIO SPIROMETER DEVICE.



Windows-based software solution

- Software for Real time Spirometer on your PC.
- Makes it fast and easy to capture, interpret and review patient test information.

USB Communication / REAL TIME TEST

SPIRO LENIS	COPD, FVC, SVC, MW tests Backup of data measured by the SPIRO LENIS
SPIRO FLO	COPD, FVC, SVC, MW tests
SPIRO PICO	COPD Test

Test interpretation

Report PDF / Image / Print

SPIRO Q

Patient view

Functions to check measurement results for each patient, add, edit, and delete patient information.

Patient Information

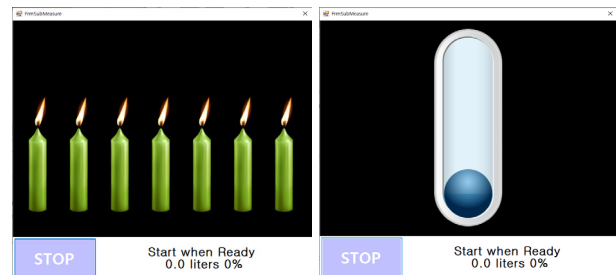
ID: 202111301031050 Name: GD H
 Birthday: 11/30/2000 Gender: Male

ID	Name
202111301031050	GD H

Date	Time	Score
12/11/2021	16:26:30	1 - COPD
12/11/2021	16:23:00	1 - COPD
12/06/2021	11:11:43	1 - FVC
12/06/2021	17:12:04	1 - COPD
12/06/2021	17:11:38	1 - COPD

Test view

Additional screens can be set up and displayed to help improve patient compliance during spirometry tests. (Candle and Column of water)



Print

Patient Name: **GDHONG**
 Patient ID: **202012041623400**
 Record Date: **12/04/2020 16:52:42**

Birthday: 12/04/1990
 Age: 30
 Gender: Male / Asian
 Height: 180 cm
 Weight: 75 kg
 Any Info:

Interpretation: Lung AGE 39
 Obstruction index: Normal
 COPD Classification: Normal

	MORRIS	PR/PO	Best	%Pred	Best	%Pred	%Chan
FVC	[]	Pred 4.84	4.81	99			
FEV 1.0	[]	4.15	3.63	87			
FEV 1.0/FVC	[]	85.63	75.50	88			
FEF 25-75%	[]		3.04				
PEF	[]		7.59				




Patient Name: **HONGGD**
 Patient ID: **202012041623400**
 Record Date: **08/17/2021 16:06:00**

Birthday: 12/04/1990
 Age: 30
 Gender: Male / Asian
 Height: 180 cm
 Weight: 75 kg
 Any Info:

Interpretation: < 80 % Obstruction index 1

	Choi JK	PR/PO	Best	%Pred	Best	%Pred	%Chan
FVC	[]	Pred 5.43	4.81	89			
FEV 1.0	[]	4.60	3.63	79			
FEV 1.0/FVC	[]	84.85	75.50	89			
FEF 25-75%	[]		3.04				
PEF	[]		7.59				
MEF 25%	[]		1.48				
MEF 50%	[]		3.47				
MEF 75%	[]		6.47				

COMPARISON

	SPIRO LENIS	SPIRO FLO	SPIRO PICO
Type			
Sensor type	Differential pressure	Differential pressure	Differential pressure
Dimensions	200 x 71 x 30mm	190 x 46 x 46mm	120 x 46 x 40mm
Weight	300g (with battery)	200g	95g (with battery)
Display	4" 800x480 resolution	X	1.5" 240x240 resolution
Touch pad	O	X	O
Memory	950	Use PC memory	100
Power	Rechargeable battery & Adaptor	USB of PC	AAA*2 battery
PC software	Option (real time)	Option (real time)	Option (real time)
PC software connectivity	USB	USB	USB
Printer	PC Based	PC Based	PC Based
POST BD	O	O	O ONLY PC software
Parameters List Spiro	FVC, FEV1, FEV1/FVC, PEF FEF25-75, MEF 75%, 50%, Lung Age FIVC, FIV1, PIF, SVC, TV, ERV, IRV, MVV	X	FVC, FEV1, FEV1/FVC, PEF, Lung Age
Parameters List SpiroList PC Based	FVC, FEV0.5, FEV1, FEV3, FEV0.5/FVC, FEV1/FVC, FEV3/FVC, FEF25-75, PEF, MEF 25%, 50%, 75%, Lung Age, FIVC, FIV1, FIV1/FIVC, FIV1/FVC, PIF, SVC, TV, ERV, IRV, MVV, RR, TV	FVC, FEV0.5, FEV1, FEV3, FEV0.5/FVC, FEV1/FVC, FEV3/FVC FEF25-75, PEF MEF 25%, 50%, 75%, Lung Age, FIVC, FIV1, FIV1/FIVC, FIV1/FVC, PIF, FIV1/FVC, SVC, TV, ERV, IRV, MVV, RR, TV	FVC, FEV1, FEV1/FVC, FEF25, FEF25-75, PEF, Lung Age

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JNBIO Co., Ltd.

JNBIO

Your Digital Respiratory Partner

JNBIO aims to make respiratory diseases measurable and more treatable.
We provide cutting edge technology to enable the right decisions for patients,
physicians and researchers around world.