



For everyone

Spiro Connect®

PC-based spirometer

SpiroConnect® is a highly accurate PC-based spirometer. With proven turbine technology and a range of innovative enhancements, it is the perfect solution for occupational health and primary care.

Software

The user-friendly DataManager software provides real-time spirometry graphs (volume time and flow/volume) to ensure that lung function tests are completed accurately and any sub-optimal manoeuvres are easily identified.

Test results are held within the software for future review and can be easily exported as a one-click option as a PDF.

The software can also be integrated with a number of Electronic Medical Record (EMR) applications making for a seamless and paperless spirometry programme.

Measurement and interpretation

Key spirometry parameters are calculated including FEV₁, FVC, PEF, VC, FEV₁/FVC and FEF 25-75% alongside numerical data for predicted, measured and percentage difference

Interpretation is automatically calculated and can include the Global lung initiative (GLI)

The supplied software will also calculate and interpret according to the ATS/ERS 2019 guidelines update on the standardisation of spirometry.



Bluetooth connectivity

Utilising the latest Bluetooth technology means the SpiroConnect® can be connected wirelessly to a PC, laptop or tablet, ensuring a safe distance between the test subject and operator.

Portable

Being handheld and weighing only 200g (0.44lbs) makes a difference when portable equipment is required for accurate, mobile lung function screening programmes.

Hygiene

The SpiroConnect® should be used with Bacterial viral filter (BVF) mouthpieces for an enhanced, safe and hygienic spirometry programme.

Key benefits

Wireless Bluetooth connection

PC or tablet based

Includes GLI predicted values

Quick and easy to clean and sterilise

Innovative vertical turbine for increased flow rate sensitivity

ATR/ERS 2019 guideline compliant

Visit www.amplivox.com/spirometry/spiroconnect to learn more about the features and benefits of the SpiroConnect®

Technical specifications

Flow sensor:	Bi-directional high sensitivity vertical turbine
Flow range:	0 - 15 L/s
Volume range:	0 - 8 L
Accuracy:	To ERS/ATS recommendations, Standardisation of Spirometry 2004 Update for flows and volumes
Sensitivity:	< 0.025 L/s
Operating conditions:	0°C to 40°C, 15% to 95% Relative Humidity, non-condensing
Transport and storage conditions:	-20°C to 70°C, 15% to 95% Relative Humidity, non-condensing

Physical data

Power supply:	2 x AA size Alkaline primary cells
Dimensions (W x D x H):	55 x 100 x 110 mm
Weight (including batteries):	200g
Operating current:	120 mA peakw

PC requirements

Operating system:	Windows 10 & 11
Processor:	1 GHz or above
RAM:	512 MB or more
Hard disk space:	100 MB minimum
Graphics:	1024 x 768 minimum resolution
USB:	One free USB port is required

Measured parameters

VC, FEV0.75, FEV1, FEV3, FEV6, FVC, PEF, FEF25 (MEF75), FEF50 (MEF50), FEF75 (MEF25), FEF25-75 (MMEF), FIV1, FIVC, PIF, FIF25 (MIF75), FIF50 (MIF50), FIF75 (MIF25), MET25-75, FET, EVC, IVC, IC, VT (TV), Ti, Te, IRV, ERV, Vext, FEV0.75/VC, FEV0.75/FVC, FEV1/VC, FEV1/FVC, (FER), FEV3/VC, FEV3/FVC, FEV0.75/FEV6, FEV1/FEV6, FEF50/VC, FEF50/FVC, MMEF/FVC (FEF25-75/FVC), FIV1/FIVC (FIR), R50 (FEF50/FIF50), Ti/Ttot, VT/Ti (TV/Ti)



Please note: The SpiroConnect® is manufactured by Numed Healthcare and is distributed by Amplivox Ltd.

Standard equipment

- SpiroConnect® PC software
- USB Bluetooth dongle
- PeraSafe sterilising agent
- Padded weave transit case

Consumables

- Bacterial Viral Filter mouthpieces
- Box of 100
 - Box of 50

Optional equipment

- 3 Litre calibration syringe

Additional information



SpiroConnect® PC software

An intuitive and user-friendly PC software, allowing for a real time graphical display. Providing immediate patient and operator feedback, quality control, data storage, with a test and calibration-check report printout.

The software supports the following predicted value data sets: GLI, ECCS, Polgar, Zapletal and Austrian-Forche. The acceptance criteria can be selected from: ARTP, ATS/ERS or BTS.