

pneumospc

pneumospc is a precision spirometric acquisition device, able to measure the most important respiratory functional parameters such as FVC, VC, MVV. It is easy to use and particularly light (weight is only 145 grams). Ultrasonic measuring technology without moving mechanical parts and connection to a PC via USB cable make the instrument particularly reliable.

pneumospc must be used with the pneumos software on the Windows operating system supplied with the device. The spirometer allows the acquisition of exams with visualization in "real time" of waveforms, automatic analysis, data archiving, printing and export of reports in Excel, XML or Dicom format.

Numerous parameters are automatically calculated by the software, among which the FVC, FEV05, FEV075, FEV1, FEV3, FEV05%FVC, FEV075%FVC, FEV1%FVC, FEV1%FIVC, FEV1%FEV6, FEV3%FVC, FIV1%FIVC, PEF, FET, ELA, MMEF2575, FEF25, FEF50, FEF75, MMEF2550, FEV6, FIVC, FIV1, PIF, FIF25, FIF50, FIF75, EV, ZeroTime, EOTV05, EOTV1, PEFT, tR, VPEF, MMEF5075, EV%FVC and FEF50%FIF50.

The connection between the device and the computer or tablet is via USB cable.

The product is intended for use by a doctor or nursing staff under the supervision of a doctor.

The salient features of the product are the following:

- Management and printing software
- Patient database and exams
- Automatic comparison of the measured values with the theoretical ones
- Plug-and-play acquirer
- Ultrasound technology
- No moving parts inside
- Automatic calibration

Note:

Manufacturer USCOM Kft - Bogdanfy str. 10 - Budapest Hungary -1117.

Reference market

- Pneumology clinic
- Sports medicine clinic
- Occupational medicine
- Home nursing service



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Technical specification

Measured parameters.....	FVC, VC, PEF, FEV1, FEV1/FVC, FEF2575, FEF2550, FEF25, FEF50, FEF75, FEV3, FEV6, EV, ZeroTime, FET, PEFT, FIVC, PIF, FIV1, FIV1/FIVC, FIT, EVC, IVC, IC, IRV, ERV, TV.
Comm port:.....	Connection to PC via USB
Type of USB port:.....	USB standard
Measuring system:.....	WaveFront™ technology
Measuring technology:.....	WaveFront™ ultrasonic multiple-path
Max volume :.....	± 20 L
Flow range:.....	± 18 L/s
Accuracy on the volume:.....	± 3% o 50 mL
Accuracy on the flow:.....	± 3% o 50 mL/s
Sampling frequency:...	100 Hz
Dynamic resistance at 14 L/s:...	< 110 Pa/L/s
Electrical protection class:....	BF
Weight:.....	145 grams
Device dimensions:.....	27 x 60 x 170 mm
Flowmeter diameter:.....	ø30 mm x 150 mm
Conditions of use and storage:	
Temperature:.....	10-40°C
Relative humidity:.....	5 - 95% non condensing

Other Classifications:

CND: Z12150101 – Clinical\diagnostic spirometer

N° of repertoire: 1733004

Risk class: II A



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Accessories supplied as standard

Description

PneumosPC dispositivo per Android Cod. 67040225	1
Pneumos spirometry software	1
Single use bacterial filter	1
Mouthpiece in cardboard	1
Plastic mouthpiece	1
Case for device	1
Warranty months	24

Accessories

67040014 Disposable mouthpiece in paper pack 100 pcs
67040015 Plastic reusable mouthpiece pack 100 pieces
67040006 Disposable bacterial filter pack 50 pcs
67040016 Reusable bacterial filter
67040017 Disposable insert for bacterial filter 67040016, pack 100 pcs
60401007 Disinfectant
67040018 Pneumos PC software
65090056 "Cardoline 60" model bag
62000034 Desktop PC & TFT monitor 22 "
62000031 Printer B / W



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