

COSMED, solution for Spirometry from A to Z!

NEW

▶ Desktop

Wide LCD, thermal printer, Turbine or PNT, PC software included. Upgrade to full PFT with Rint and SpO₂

NEW

▶ Hand-Held

Hand-held spirometer for lung function screening with 6MWT, equipped with USB ports for PC and printers

▶ PC-based

USB spirometer simple and easy to use, provided with powerful software Windows VISTA compatible

▶ Wide list of Options & Accessories

Complete your spirometer with Airways Resistance, oximetry, 6MWT and other extra features!



Pony FX



Introducing a milestone in the desktop spirometry market!

- ▶ Spirometry (FVC, SVC, MVV, PRE-POST), Bronchial challenge test
- ▶ Available with Disposable Pneumotach or Turbine Flowmeter
- ▶ Built-in High Speed Thermal Printer and LCD
- ▶ Includes PC software for data management and real time testing w/PC
- ▶ Integrated Airways Resistance Rocc and Digital Oximeter (optional)
- ▶ ATS validated



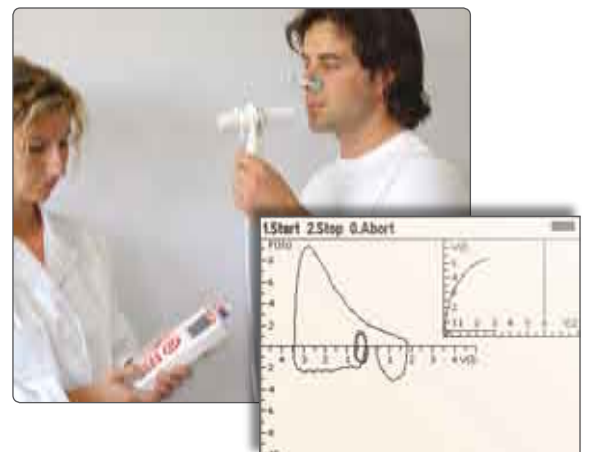
Pony FX is a new generation **Desktop-size spirometer** developed for lung function screening. Pony FX is the perfect combination for all-inclusive spirometry. An alphanumeric keyboard and a wide colour display allow user an easy access to all functions with an immediate visual analysis. Integrated fast thermal printer provides high quality reports in just a few seconds. Pony FX includes an internal memory with high storage capacity and is furnished with a powerful PC software for downloading and storing data. Real time tests are also possible when the device is connected to PC by USB port. Quality control messages according to the **ATS guidelines** are displayed for spirometry tests. Pony FX is available with either a Turbine flowmeter or a disposable Pneumotach (Flowsafe).

Spiropalm



Flexible and easy to use!

- ▶ FVC, SVC, MVV, Bronchial challenge test
- ▶ Available with either turbine flowmeter or disposable PNT
- ▶ 6MWT (VE, HR and SpO₂ during walking test)
- ▶ PC software for data management & on-line testing (optional)
- ▶ USB connection (PC and external Printer)
- ▶ USB port for direct printing A4/letter format on HPCL printer (HP, Epson, Canon etc.)



SpiroPalm is the NEW hand-held device designed for screening spirometry. Spiropalm is provided with a clear and bright B&W display for monitoring tests and helping children and non cooperative patients. Available in two different configurations:

SpiroPalm, incorporating the well proven COSMED turbine technology;

SpiroPalm+, which uses the FLOWSAFE, a new disposable Pneumotach designed to avoid risk of cross contamination.

Spiropalm can also be completed with unique features for the 6-min walking test (6MWT). SpiroPalm complies with the latest ATS and ERS recommendations.

microQuark



microQuark can be used with any PC, either desktop or laptop, by simply installing the application software and connecting the cable to the USB port. The great advantage of this product is the new software developed to allow any user to manage reliable screening spirometry in a simple and quick way. Perform FVC, SVC and PRE-POST broncho-challenge with just a few click of the mouse. Overlap multi F/V loops, see trends, print professional A4/Letter format reports, automate PDF files saving and numerous other features for both clinical and occupational health applications. The software is compatible with most of network protocols for Windows OS.



Directly connected to a USB port turns any PC into a spirometer



- ▶ FVC, SVC, MVV
- ▶ PRE-POST bronchial challenge test
- ▶ Paediatric Encouragement Software
- ▶ Easy-to-use PC software Windows VISTA compatible



- ▶ Automatic BTPS Correction
- ▶ USB interface with PC
- ▶ 3 Year Warranty



Options & Accessories



Anti-Bacterial filter

High filtration efficiency (99.9999%) to avoid cross contamination. The Filter fits any COSMED spirometer model provided with Turbine flowmeter.



Paper Mouthpieces

Adult and Paediatric paper mouthpieces are provided in box of 500 pcs. A convenient mouthpiece dispenser is included in each box.

Available for:
All range of spirometers using turbine flowmeter



Airways Resistance kit (Rocc, Rint)

The Rocc kit brings accurate airways resistance measurements in desktop size spirometry. Highly indicated for paediatric applications.

Available for:
Pony FX and Pony FX Flowsafe



Pulse Oximeter

Plug the oximeter in a port and monitor oxygen saturation (SpO₂) at rest, during exercise and during oxygen supplementation.

Available for:
Pony FX, Pony FX Flowsafe, Spiropalm, Spiropalm +



Calibration Syringe

The 3 liters certified syringe ensures easy and fast flowmeter calibration at any time.

Available for:
All range of spirometers



6MWT

The option includes a silicone face mask with head cap and SPO₂ monitor, for measurement of Ventilatory parameters and oxygen saturation during the tests. PC software is included in the package for data management and reporting.

Available for:
Spiropalm, Spiropalm +

Specifications	Pony FX	Pony FX Flowsafe	Spiropalm	Spiropalm+	microQuark
Tests Performed					
Spirometry (FVC, SVC, MVV)	x	x	x	x	x
PRE-POST Broncho-challenge	x	x	x	x	x
Airways resistance (Rocc/Rint)	o	o			
Auto Diagnosis (ERS & COPD)	x	x	x	x	x (ERS only)
Pulse Oximetry (SPO ₂)	o	o	o	o	
6MWT (SPO ₂ included)			o	o	
Hardware					
Flowmeter	Turbine	PNT	Turbine	PNT	Turbine
LCD	16 colours 320 x 240 pixel		B/W 320 x 240 pixel		
Internal Printer	Fast-Thermal 110mm (4.3 in)				
USB Direct Printout	x		x		
Internal Memory	300 patients 600 tests		300 patients 600 tests		na
Rechargeable Batteries	Ni-Mh		Li-ion		
Mains Powered	AC/DC 100-240V		AC/DC 100-240V		by USB
Dimensions (cm/in)	20x23,8x7,6/7.8x9.4x3		18x7,5x3/7x3x1		50x4,5x53/38x11,4x13,4
Weight (kg/lb)	1,2/2.6		0,3/ 0.66		0,077/0.17
PC Software					
	x	x	o	o	x

Patient Database, Paediatric encouragement, Multiple parameter trend, export test in ASCII and Excel file formats, Network compatible, A4 or letter format custom color printouts

Safety & Quality Standards

COSMED Spirometers meets or exceeds published recommendations of the European Respiratory Society (ERS) and the American Thoracic Society (ATS)

CE MDD Certificate, FDA 510(k) cleared. COSMED is ISO9001 and EN46001 certified

Predicted Equations

ERS 93 (ECCS 1983), NHANES III, Crapo 1981, Knudson 83, ECCS 1971, ITS, Zapletal, Multicentrico Barcelona, Pneumobil, Gutierrez, LAM, THAI 2000, Pereira, Austria (Forche).

LEGEND X = standard, O = option



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