

# SPIROLAB III - DIAGNOSTIC SPIROMETER WITH SPO<sub>2</sub> OPTION



LCD Colour display  
240x320 pixel,  
size 90x120 mm



PEDIATRIC INCENTIVE SYSTEM

HIGH DEFINITION LCD

DATABASE FOR 6,000 TESTS

USB

ATS Certified

ERS Standard

Mini flowmeter

33522 Connection cable (33523-4)

Only 1.9 kg for truly portability

WinspiroPRO software included (GB, FR, IT, DE, ES, PT, CZ, SE, NL, PL, LV, TR, RU, CN, JP)

Quality spirometry, precise measurement  
The proven MIR digital turbine flow sensor requires **no calibration** and complies with ATS 24/26 waveforms.  
Certified by Dr. Crapo at LDS Hospital, Salt Lake City - Utah



STANDARD ACCESSORIES		
Carrying case	Software Winspiro PRO.	Nose clip
Battery charger	USB port and cable	
1 roll thermal paper	CD manual: GB, FR, IT, ES, DE, PT	

• 33521 SPIROLAB III - diagnostic spirometer with high resolution colour display, built-in printer and PC WINSPIROPRO software

• 33522 SPIROLAB III same as 33521 with SpO<sub>2</sub>  
A really complete spirometry system:

- FVC, VC with breathing pattern plus MVV tests with real time curves
- over 30 parameters with **automatic interpretation** and test quality control
- PRE/POST bronchial response protocol with F/V loop comparison
- up to 8 blows curve on one screen
- internal database for about 6,000 complete tests
- predicted values with various authors
- rechargeable battery plus mains power 220 V, 50-60 Hz (110V on request)
- user-friendly keyboard with dedicated function keys plus alphanumeric data entry
- internal temperature sensor for automatic BTPS conversion
- free upgradable internal software from web, maintaining previously stored data
- selectable multilanguage internal software (GB, FR, IT). Possibility to order also with following internal languages: DE, ES, PL, PT, RU, CN, TR.

**Finger Oximeter (33522 only)**

- short or long term (overnight) SpO<sub>2</sub> and Pulse Rate measurements
- ODI, NOD, T90%, T89%, T88, T87%
- oximetry during exercise test

- 33410 ADULT MOUTHPIECES - Ø 3 cm ext - box of 500 pcs.
- 33492 THERMAL PAPER - 112 mm x 25 m
- 33515 SpO<sub>2</sub> PROBE - adult - spare
- 33516 SpO<sub>2</sub> PROBE - paediatric
- 33525 ANTIBACTERIAL FILTER - disposable - box of 50 pcs.
- 33508 DISPOSABLE TURBINE WITH INTEGRATED MOUTHPIECE - box of 50
- 33524 CONNECTION CABLE MINIFLOWER-SPIROLAB III (532370) - spare
- 33523 CONNECTION CABLE MINIFLOWER-SPIROLAB and SPIROLAB II (532375) - spare

### TECHNICAL SPECIFICATIONS 33521-33522

Flow/volume range:	± 16 l/s
Volume accuracy:	±3% or 50 ml
Flow accuracy:	±5% or 200 ml/s
Dynamic resistance:	<0.8 cm H <sub>2</sub> O/l/s
Dimensions:	310x205x65 mm
Parameters:	FVC, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25-75%, FEF25%, FEF50%, FEF75%, FET, Vext, *FVC, *FEV1, *PEF, PIF, FIVC, FIV1, FIV1/FIVC%, VC, IVC, ERV, IC, FEV/VC%, VT, VE, Rf, Ti, Te, Ti/T-tot, VT/Ti, MVV * : Best value
PC System requirements:	Windows 2000, ME, XP, Seven, Vista, 8.
Made in Italy.	

# SP-10 POCKET SPIROMETER



33536

• 33536 SP-10 POCKET SPIROMETER

Pocket, portable spirometer with large TFT screen to clearly display both numbers and flow charts.

Synchronously measure FVC, PEF, FEV1, FEV1%, FEV25, FEF2575, FEF75.

Support diagnosis evidence by volume and flow rate chart display. Built-in predicted values.

Built-in lithium rechargeable battery and battery power display. Supplied with USB cable for PC connection, battery charger and software to calculate data and analyse trend.

• 33410 ADULT MOUTHPIECES - Ø 3 cm ext. - box of 500 pcs

STANDARD ACCESSORIES	
Internal lithium battery	
USB cable	
PC software (english language)	

### TECHNICAL SPECIFICATIONS

Max volume:	10 l
Flow range:	2 l/sec - 16 l/sec
Volume accuracy:	±3% or 50 ml whichever is greater
Flow accuracy:	±5% or 200 ml/sec whichever is greater
Parameters:	FVC, FEV1, PEF, FEV1%, FEV25, FEF2575, FEF75
Made in PRC	
CE 92/42 - EMC group I class B - protection type BF	