



THE EASYONE SPIROMETER IS THE NUMBER ONE
PORTABLE SPIROMETER USED IN AUSTRALIAN HOSPITALS

EasyOne®

The New Standard
in Spirometry

The EasyOne Spirometer utilises digital ultrasonic flow measurement technology, which ensures accurate results, repeatable performance and quality control with no moving parts and does not require calibration or maintenance.



ULTRASONIC FLOW MEASUREMENT ELIMINATES PROBLEMS
ASSOCIATED WITH TRADITIONAL METHODS OF FLOW
MEASUREMENT AND MAKES THE EASYONE SPIROMETER A FAST,
RELIABLE AND ACCURATE DIAGNOSTIC DEVICE

To optimize quality control in the BOLD study, sites are required to use the **EasyOne Spirometer**, which was chosen because it provides a high degree of accuracy, robustness, portability, and ease of storage. It can be used easily in the field and where there is no electric power available—it operates on batteries and requires no calibration with a 3-liter syringe. The **EasyOne Spirometer** has been approved by the BOLD pulmonary function reading center as meeting predetermined performance criteria relating to reliability of measurement, suitability for field use, and ease of access to data.” (1)

“This study supports the manufacturer’s claim that the **EasyOne Spirometer** maintains its calibration during routine clinical use in general practice and does not require daily calibration as specified in international spirometry guidelines”. (2)



EasyOne

worldspirometer with USB Cradle and Hewlett Packard Printer

The EasyOne Spirometer with USB Cradle includes a Hewlett Packard Colour Printer for stand-alone use. A4 Spirometry Reports are printed directly to the Hewlett Packard Printer via the USB Cradle without having to utilise or interface with a computer.

This version is well suited to applications where the user must go to the patient i.e. Hospital Wards, Emergency Departments, Pulmonary Rehabilitation Units, Community Health Centres, Field Testing and Sports Medicine where you have multiple users and simplicity is the key.

The measured parameters are: **FVC, FEV1, FEV1/FVC, FEV6, FEV1/FEV6, FEF25-75, FEF25, FEF50, FEF75, PEF, FIVC and PIF.** FVL Test (Additional to FVC): **FIVC, PIF, FIF25, FIF50, FIF75.** SVC Test: **VCmax, VCin, VCex, IC, ERV, IRV, VT, Rf.** MVV Test: **MVV and BPM.**

Features

- Stand Alone Instrument
- 700 Test Memory
- Direct print to Hewlett Packard Printer (Package includes a HP Office-Jet Printer or a HP Lightweight Portable Printer can be included at additional cost)
- Comprehensive A4 Reports on Plain Paper
- No need for computers (but may be easily linked)
- Flow-volume loop on-screen
- Tidal breathing selectable for flow-volume loop
- Carry your laboratory to the patient without compromising accuracy
- No warm up time, No pre-testing preparation
- No Calibration
- No Maintenance

PRODUCT CODE **ND2001-4**



EasyOne-line

worldspirometer with USB Line Cable and EasyWare Software

The EasyOne Spirometer with USB Line Cable and EasyWare Software allows Real-Time spirometry on a PC or laptop computer. The EasyOne Spirometer can also be used stand-alone and the full results uploaded to the EasyWare Software at a later stage.

This version is well suited to office / practice or clinic based solutions with few users.

The measured parameters are: **FVC, FEV1, FEV1/FVC, FEV6, FEV1/FEV6, FEF25-75, FEF25, FEF50, FEF75, PEF, FIVC and PIF.** FVL Test (Additional to FVC): **FIVC, PIF, FIF25, FIF50, FIF75.** SVC Test: **VCmax, VCin, VCex, IC, ERV, IRV, VT, Rf.** MVV Test: **MVV and BPM.**

Features

- Real-Time Spirometry on PC or laptop computer with EasyWare Software
- EasyOne spirometer is also portable with 700 Test Memory
- Tidal breathing selectable for flow-volume loop
- Trending of patient results over time
- Child Incentive Screen in EasyWare Software
- Automatic Quality Control with manual override for the selection of best test from 8 pre and 8 post bronchodilator trials in the EasyWare Software
- Automatic Data Synchronisation to the EasyWare software
- No Calibration
- No Maintenance

PRODUCT CODE **ND2001-4S**



Easy on-PC

New Standard in PC-based Spirometry

The Easy on-PC utilises the same proven digital ultrasonic flow measurement technology, which ensures accurate results, repeatable performance and quality control with no moving parts and does not require calibration or maintenance.

The standard measured parameters are: **FVC, FEV1, FEV1/FVC, FEV6, FEV1/FEV6, FEF25-75, FEF25, FEF50, FEF75, PEF, FIVC and PIF** with each individual parameter able to be selected or deselected for testing and reporting. FVL Test (Additional to FVC): **FIVC, PIF, FIF25, FIF50, FIF75**. SVC Test: **VCmax, VCin, VCex, IC, ERV, IRV, VT, Rf**.

MVV Test: **MVV and BPM**. In addition you can also choose to select and measure the following parameters: **FEV 0.5, FEV 0.5/FVC, FEV 0.75, FEV 0.75/FVC** and many others.

** Note that the Easy on-PC has no stand-alone capability. It must be used with a PC or laptop computer.*

Features

- PC guided spirometry
- Patient centred database
- Biological control check feature
- Tidal breathing selectable for FVC and FVL
- Inspiratory and expiratory real-time curve
- Trending of patient results over time
- Actualised Fletcher curve on report
- Automatic Quality Control user selection for best trial from 8 pre and 8 post bronchodilator trials
- No Calibration
- No Maintenance

PRODUCT CODE **ND2700-3**



Spirette

New Standard in Spirometry Consumable for Safety, Accuracy and Convenience

Single patient use application for hygiene, accuracy and convenience. The Spirette contains bacterial filter membranes to prevent cross contamination between patients.

Features

- Bacterial filter membranes
- Ergonomic oval mouthpiece shape for excellent mouth / lip seal
- The EasyOne ultrasonic sensors are built into the spirometer and are protected by the Spirette
- Children aged from 4 years can successfully perform high quality spirometry with the Spirette and the EasyOne spirometer
- Spirettes are available individually wrapped in a box of 50 or unwrapped, loose in a box of 75

PRODUCT CODE (BOX 50) **ND2050-1**

PRODUCT CODE (BOX 75) **ND2050-6**

Specification & Technical Data



Model	EasyOne worldspirometer	EasyOne-line	Easy on-PC
Dimension	83 x 158 x 43mm	83 x 158 x 43mm	PC sensor: 16 x 3 x 7cms
Weight	245g	245g	155g
Cable length	n/a	1.8m	1.8m
Measuring Accuracy: Volume	± 2% or 0.050 l	± 2% or 0.050 l	± 2% or 0.050 l
Measuring Accuracy: Flow	± 2% or 0.020 l/s	± 2% or 0.020 l/s	± 2% or 0.020 l/s
Measuring Accuracy: PEF	± 5% or 0.0200 l/s	± 5% or 0.0200 l/s	± 5% or 0.0200 l/s
Measuring Accuracy: MVV	± 5% or 5 l/min	± 5% or 5 l/min	± 5% or 5 l/min
Resolution: Volume	1 ml	1 ml	1 ml
Resolution: Flow	4 ml/s	4 ml/s	4 ml/s
Measuring range: Volume	± 12 l	± 12 l	± 12 l
Measuring range: Flow	± 16 l/s	± 16 l/s	± 16 l/s
Resistance	approx 0.3cm H ₂ O/l/s	approx 0.3cm H ₂ O/l/s	approx 0.3cm H ₂ O/l/s
Display	64 x 160 pixel graphic display	64 x 160 pixel graphic display	Res min 1024 x 768 / 1280 x 960
Data entry	14-key keyboard	14-key keyboard	via PC or laptop
Power supply	(2) AA batteries	(2) AA batteries	on pc or laptop
Battery service life	400 tests approx	400 tests approx	on pc or laptop
Data memory	700 tests approx	700 tests approx	on pc or laptop
Print	direct: printer or via PC, plain paper A4	via pc or laptop	via pc or laptop
Data communication	direct: printer, modem-telephone, e-mail. With EasyWare to PC and beyond	via pc or laptop	via pc or laptop
Languages	english, german, french, italian, spanish, portuguese, polish, japanese, norwegian, finnish, danish, greek, swedish, dutch	english, german, french, italian, spanish, portuguese, polish, japanese, norwegian, finnish, danish, greek, swedish, dutch	english, german, french, italian, spanish, portuguese, polish, japanese, norwegian, finnish, danish, greek, swedish, dutch
Predicted values	ERS (ECCS), Roca, Austria, NHANES III, Knudson 1976, Knudson 1983, Crapo, Morris, Cherniak, Berglund, Gulsvik, Hedenstroem, Asia 1-4, JRS2001, Gore, Pereira, Finnish. Paediatrics: Zapletal, Polgar, Dockery, Hsu, Hibbert	ERS (ECCS), Roca, Austria, NHANES III, Knudson 1976, Knudson 1983, Crapo, Morris, Cherniak, Berglund, Gulsvik, Hedenstroem, Asia 1-4, JRS2001, Gore, Pereira, Finnish. Paediatrics: Zapletal, Polgar, Dockery, Hsu, Hibbert	ERS (ECCS), Roca, Austria, NHANES III, Knudson 1976, Knudson 1983, Crapo, Morris, Cherniak, Berglund, Gulsvik, Hedenstroem, Asia 1-4, JRS2001, Gore, Pereira, Finnish. Paediatrics: Zapletal, Polgar, Dockery, Hsu, Hibbert
PC operating system	n/a	Windows 2000 SP4, Windows Server 2003, Windows XP SP2, Windows Vista, Windows 7	Windows 2000 SP4, Windows Server 2003, Windows XP SP2, Windows Vista, Windows 7
Processor	n/a	Intel-/Pentium or equivalent, 1GHz Interface: USB 2.0 or earlier	Intel-/Pentium or equivalent, 1GHz Interface: USB 2.0 or earlier
Hard-disk capacity	n/a	Installation/System 1GB, Memory 4GB RAM: min 512 MB - 1GB recommended	Installation/System 1GB, Memory 4GB RAM: min 512 MB - 1GB recommended