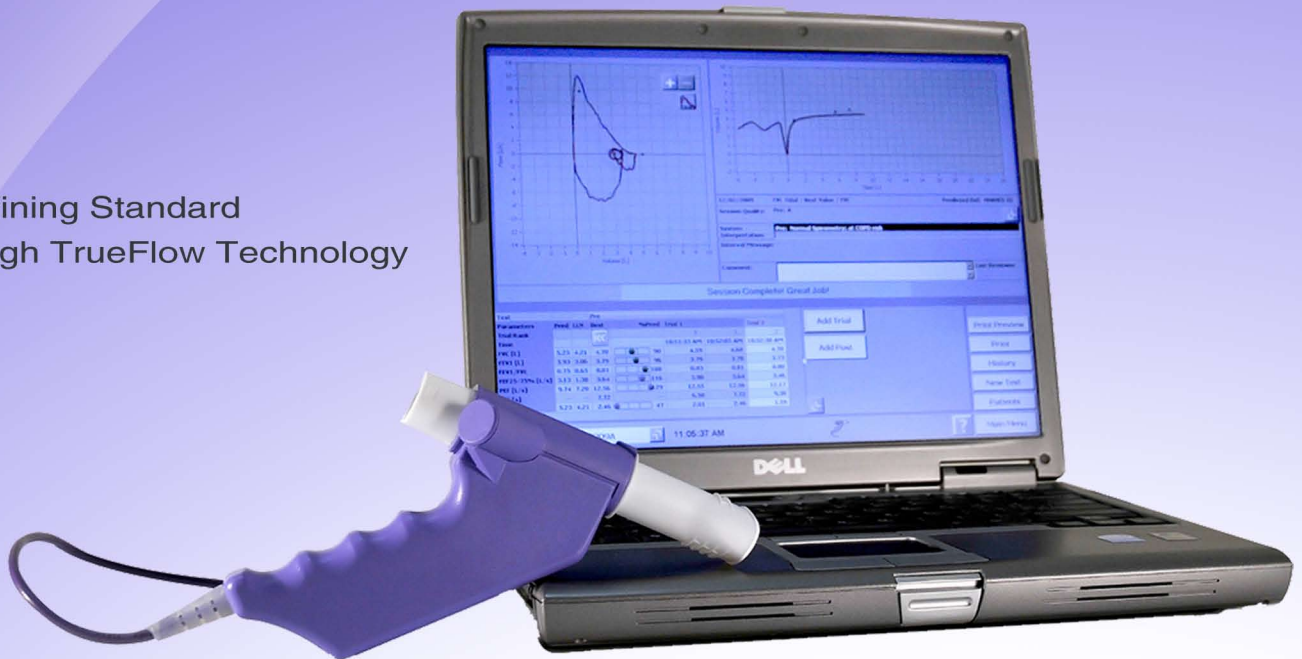


# Easy On PC

The New Standard in PC-Spirometry

Redefining Standard  
Through TrueFlow Technology



## A Powerful Solutions for PC-based Spirometry

The NDD Easy On PC is a revolutionary new type of spirometer that plugs directly into the USB port of your PC, without the need of any additional docking station or data uploading. If you have a laptop or notebook, Easy On PC becomes highly portable too.

Designed for the professional, the Easy On PC features the NDDs TrueFlow Technology Ultrasonic Flow sensor. The instrument is very fast, yet simple to use on EasyWare software.

The Easy On PC comes with user friendly EasyWare Software, upto 63 parameters, both open and closed loop test techniques and graphical child incentives. The trending of patient results, lung age calculation and textual interpretation are also featured.

## NDD TrueFlow Advantages

- Sensor never ever in contact with sample
- No influence of humidity, barometric pressure, contamination
- No calibration required
- No cleaning, no maintenance
- Simple and economic consumable
- Easy to operate in doctor's office, occupation health
- Extremely high accuracy for low flows (resistance free measurements)
- No down time

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### Measured Parameters

#### FVC Test:

FVC, FEV1, FEV0.25, FEV0.5, FEV0.75, FEV3, FEV6, FEF10, FEV1/FVC, FFV1/FEV6, FEV0.25/FVC, FEV0.5/FVC, FEV0.75/FVC, FEV3/FVC, FEV1/FEV6, PEFr, FEF25%, FEF50%, FEF75%, FEF85%, FEF85%, FEF80%, FEF60%, FEF40%, FEF75-85%, FEF2575/FVC, FIVC, FIV1, FIV0.25, FIV0.5, FIV0.75, FIF25%, FIF50%, FEF75%, PEFT, FET, PIF, PIFT, TO, MTCR, MTC3, MTC2, MTC1, ATI, E50/150, CVI, BEV, EOTV, BTPSin, BTPSex, PEF(LIS), FEF 25-75%, FET(S), MEF 25, 50, 75 and etc.



#### SVC Test:

VCmax, VCin, VCex, IC, ERV, IRV, VT, Rf

#### MVV Test:

MVV, BPM, MVVt, MVV<sub>6</sub>, VT, VCex(L), f(BPM)

#### Provocation Test

#### System Interpretation:

GOLD(2003), GOLD(2003)/Hardie, GOLD(2008), GOLD(2008)/Hardie, NICE, NICE 2010, NLHEP, JRS (Fix Ratio), JRS (LLN)

### Predicated values

GLI	Stanojevic 2009, Quanjer 2012
North America	NHANES III (Hankinson) 1999, Knudson 1983, Knudson 1976, Crapo 1981, Morris 1971 & 1976, Hsu 1979, Dockery (Harvard) 1993, Polgar 1971, Gutierrez (Canada) 2004, Eigen 2001
Latin America	Pereira 1992, Perreira 2006 & 2008, Pérez-Padilla (PLATINO) 2006, Pérez-Padilla (Mexico) 2001, Pérez-Padilla (Mexico, Pediatrics) 2003, Chile 2010, Chile (Pediatrics) 1997
Europe	ERS (ECCS, EGKS, Quanjer) 1993, Zapletal 1977, Zapletal 2003, Rosenthal 1993, Austria 1988, Austria 1994, Sapaldia (Switzerland) 1996, Roca (Spain, SEPAR) 1982, Garcia-Rio (SEPAR) 2013, Vilozni 2005, Falaschetti 2004, Klement (Russia) 1986
Europe Scandinavia	Hedenstrom 1985 & 1986, Gulsvik (Norway) 1985, Berglund Birath (Sweden) 1963, Langhammer (Norway) 2001, Finnish 1982 (1998), Nystad 2002
Australia	Hibbert 1989, Gore Crockett 1995
Asia	Chhabra (India) 2014, Dejsomritrutai (Thailand) 2000, Indonesia 1992, IP (China, Hong Kong) 2000 & 2006, JRS 2001 & 2014
Africa	Ethiopia 1985

### Specifications

Dimension of hand held sensor	16 x 3 x 7 cm
Weight	155 gms
Cable length	1.8 m
Measuring accuracy	volume +/- 2% or 0.0501 flow +/- 2% or 0.0201 PEF +/- 5% or 5l/min
Resolution	volume > 1 ml flow 4ml/s
Measuring range	volume +/- 12l flow +/- 16l/s
Resistance	approx 0.3 cm H <sub>2</sub> O/ l/s
PC operating system	Windows 2000 SP4, Windows Server 2003, Windows XP SP2, Windows Vista, Win7 and Win8
Processor	Intel/Pentium or equivalent, 1 GHz
Interface	USB 2.0 or earlier
Screen Resolution	min 1024 x 768 - 1280 x 960
Harddisk capacity	Installation/System 1GB, Memory 4 GB
RAM	min 512 MB - 1 GB recommended

### Quality

Endorsed, worldwide proven by NASA, MIR space programs in use for crew monitoring in outer space, ATS, ERS, CSA, JAPAN, FDA, CE, NIOSH, OSHA, BOLD, Platino, GA2 LEN, IMCA

### Essential features

- PC guided spirometry
- Bio calibration check feature
- Ready to use GDT interfacing possibility
- In- and expiratory real-time curve
- Test selection with or without tidal breathing
- Pre/post measurements
- Quick test, Children incentive and Trending
- Actualized Fletcher curve on report
- Country specific predicated values selectable
- Interpretation mode selectable / Lung age
- Auto QC, Ethnic correction factors and Multilingual

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