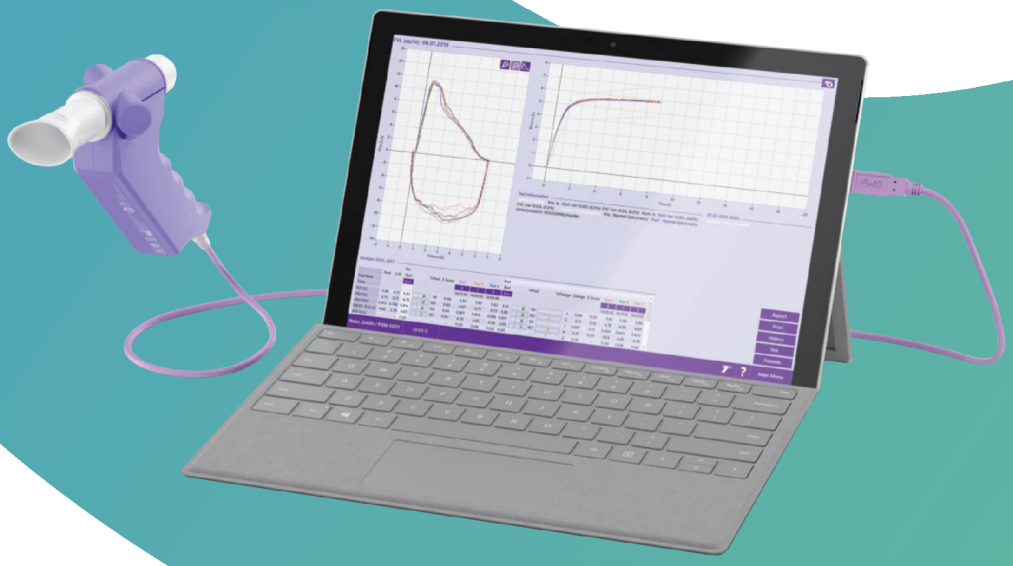
Simple,
Certain,
Proven.



Easy On PC

A Benchmark in Ultrasonic PC Spirometry

ATS ERS
Spirometry 2019

The Proven Ultrasound Technology NDD TrueFlow

No calibration, no warm-up time, no moving parts

This easy-to-operate spirometer uses the power of your PC, laptop or tablet, leveraging premium ultrasound technology for a complete spirometry solution.

Designed for the professional, the Easy On PC features the NDDs TrueFlow Technology Ultrasonic Flow Sensor. The instruments are very fast, yet simple to use on Easyone software.

The Easy On PC Spirometer is suitable for paediatric to adult patient use.

FVC, FVL, SVC, MVV, Pre & Post analysis and Provocation

CE 0210 FDA

Salient Features

- No maintenance
- Low running cost
- Import external PFT results
- Lifetime free software upgrade
- Easy to operate in doctor's office, occupational health
- No influence of humidity, barometric pressure, contamination, altitude
- Extremely high accuracy for low flows
- Sensor never ever in contact with sample
- Large selection of predicted sets (%pred, Z-score and LLN)
- Bio.cal check feature
- Flexible HL7 and XML interface for easy EMR integration

Easy On PC

Technical Specifications

Dimension of hand held sensor	16 x 3 x 7 cms
Weight	155gms
Cable length	1.8m
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 H2O/ l/s
Minimum PC Requirement	Core i3-10th Generation, 4 GB RAM/256 GB SSD or 1TB HD Pre–loaded Windows
Data Management	EasyOne Connect (SQlite,MS SQL Server)
Interface	HL7, XML, GDT
Age range	Spirometry > 4 years
Device Classification	Type BF applied part
Operating Conditions	Temp 0 - 40 °C/32 - 104 °F Rel.Humidity 5 – 95 % Atmosph.Pressure 620 – 1060 hPA

Standards & Recommendations

Quality, Medical Devices Electrical	ISO 13485, ISO 14971, IEC 62366, & IEC 62304, ISO 26782, ISO 23747, IEC 60601-1, IEC 60601-2, ISO 10993-1
FDA	510(k) market clearance
MDD 93/42/EEC	CE Marked
Associations & Institutes	ATS/ERS 2019 and 2005, NIOSH/OSHA, SSA Disability

Quality

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

A BENCHMARK IN
ULTRASONIC PC SPIROMETRY

Predicted Values

Asia	**Chhabra (India) 2014,** Dejsomritrutai (Thailand) 2000, Indonesia 1992, IP (China, Hong Kong) 2000 & 2006, JRS 2001 & 2014
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
Africa	Ethiopia 1985

Measured Parameters

FVC	ATI, BEV, EOTV, FEF10, FEF25, FEF2575, FEF2575_6, FEF40, FEF50, FEF50/FVC, FEF50/VCmax, FEF60, FEF75, FEF75-85, FEF80, FET, FET25-75, FEV.25, FEV.5, FEV.5/FVC, FEV.75, FEV.75/FEV6, FEV.75/FVC, FEV.75/VCmax, FEV1, FEV1/FEV6, FEV1/FVC, FEV1/FVC6, FEV1/VC, FEV1/VCmax, FEV3/FVC, FEV3/VCmax, FEV3, FEV6, FVC, MEF20, MEF25, MEF40, MEF50, MEF60, MEF75, MEF90, MMEF, MTC1, MTC2, MTC3, MTCR, PEF, PEFT, t0, VC, Vcmax
FVL	ATI, BEV, CVI, E50/150, EOTV, FEF10. FEF25, FEF2575, FEF2575_6, FEF40, FEF50, FEF50/FVC, FEF50/VCmax, FEF60, FEF75, FEF75-85, FEF80, FET, FET25-75, FEV.25, FEV.5, FEV.5/FVC, FEV.75, FEV.75/FEV6, FEV.75/FVC, FEV.75/VCmax, FEV1, FEV1/FEV6, FEV1/FIV1, FEV1/FIVC, FEV1/FVC, FEV1/VC, FEV1/VCmax, FEV3/FVC, FEV3/VCmax, FEV3, FEV6, FIF25, FIF2575, FIF50, FIF50/FEF50, FIF75, FIV.25, FIV.5, FIV1, FIVC, FVC, MEF20, MEF25, MEF40, MEF50, MEF60, MEF75, MEF90, MIF25, MIF50, MIF75, MMEF, MMIF, MTC1, MTC2, MTC3, MTCR, PEF, PEFT, PIF, t0, VC, Vcmax
SVC	ERV, IC, IRV, Rf, VC, VCex, VCin, VCmax, VT
MVV	MVV, MVV6, MVVtime, Rf, VCext, VT

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