

Easy One Air

All the Portable Advantages,
One Connected Solution



Spirometry

(FVC, FVL, Tidal FVC,
Tidal FVL, SVC & MVV)

The Proven Ultrasound Technology
NDD TrueFlow

NO CALIBRATION, NO WARM-UP TIME, NO MOVING PARTS

- ◆ Automated user guidance throughout maneuvers based on ATS/ERS standards 2019 and 2005
- ◆ Quickly assess test quality with full color real time curves and instant interpretation
- ◆ Data exchange via Bluetooth to the PC
- ◆ Intuitive user guidance
- ◆ Large color touch screen for easy data entry and navigation
- ◆ Pediatric incentive via Bluetooth to EasyOne Connect
- ◆ EasyOne Connect for seamless EMR integration
- ◆ Rechargeable battery

Standards & Recommendations

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

Languages

English, Danish, Dutch, French, German, Italian, Polish, Portuguese, Russian, Spanish, Swedish

Technical

Printing options	Direct to printer or with EasyOne Connect software
Data management	EasyOne Connect
Export	HL7, XML, GDT, with software
Data links	USB, Bluetooth
Test storage	Up to 10'000 tests
Age range	Spirometry > 4 years
Dimensions	87 x 155 x 36 mm (H x B x T), 356 g 3.4 x 6.1 x 1.4" (H x W x D), 13 oz
Device classification	Type BF applied part
Operating conditions	Temp 0 - 40 °C/ 32 - 104 °F Rel. Humidity 5 - 90% Athmosph. Pressure 700 - 1060 hPa
Power supply	5 VDC, Standby 0.3W
Rechargeable battery	Exchangeable, 3.6 VDC

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Parameters

FVC	ATI, BEV, EOTV, FEF10, FEF25, FEF25-75, FEF25-75_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, FEF25-75, FEF25-75_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, FIF25-75, 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

Predicted Normal Values Spirometry

Asia	Chhabra (India) 2014 , Dejsomritrutai (Thailand) 2000, Indonesia 1992, IP (China, HongKong) 2000 & 2006, JR 2001 & 2014
GLI	Quanjer 2012, Stanojevic 2009
North America	Crapo 1981, Dockery (Harvard) 1993, Eigen 2001, Gutierrez (Canada) 2004, Hsu 1979, Knudson 1983, Knudson 1976, Morris 1971 & 1976, NHANES III (Hankinson) 1999, Polgar 1971
Latin America	Chile 2010, Chile (Pediatrics) 1997, Pereira 1992, Pereira 2006/2008, Pérez-Padilla (PLATINO) 2006, Pérez-Padilla (Mexico) 2001, Pérez-Padilla (Mexico, Pediatrics) 2003
Europe	ERS (ECCS, EGKS, Quanjer) 1993, Garcia-Rio (SEPAR) 2013, Falaschetti 2004, Forche (Austria) 1988 & 1994, Klement (Russia) 1986, Roca (Spain, SEPAR) 1982, Rosenthal 1993, Sapaldia (Switzerland) 1996, Vilozni 2005, Zapletal 1977, Zapletal 2003
Europe Scandinavia	Berglund Birath (Sweden) 1963, Finnish 1982 (1998), Gulsvik (Norway) 1985, Hedenström 1985 & 1986, Langhammer (Norway) 2001, Kainu (Finland), 2016, Nystad 2002
Australia	Gore Crockett 1995, Hibbert 1989
Africa	Mengesha (Ethiopia), 1985

Flow/Volume Sensor

Type	Ultrasonic transit time
Flow Range	± 16 l/s
Flow Resolution	4 ml/s
Flow Accuracy (except PEF)	± 2% or 0.020 l/s
PEF Accuracy	± 5% or 0.200 l/s
MVV Accuracy	± 5% or 5 l/min
Volume Range	± 12 l
Volume Resolution	1 ml
Volume Accuracy	± 2% or 0.050 l
Resistance	0.3 cm H2O/l/s at 16 l/s

EasyOne Air complete package with device, power plug and adapter, cradle, USB cables, battery pack etc.

Direct Printing Option

