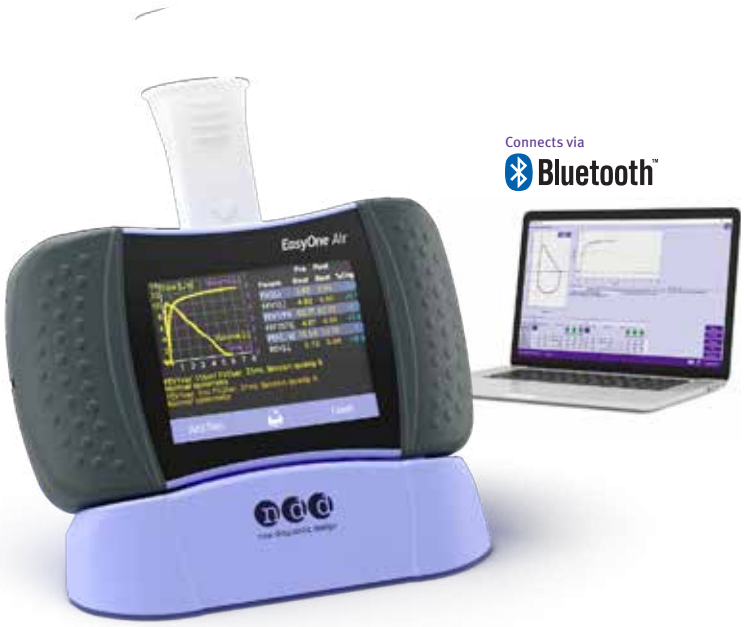
EasyOne Air

**All the Portable Advantages,
One Connected Solution**

NicheMedical
Solutions in Respiratory Care & Diagnosis



ATS ERS
Spirometry 2019

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

TrueFlow
makes the difference

The original ultrasonic flow measurement is highly accurate in all flow ranges, independent of gas composition, pressure, temperature and humidity and does not require calibration during its lifetime. The sensor is never in direct contact with the patient's flow. NDD TrueFlow is a hygienic and resistance-free solution.

EasyConnect
intelligent interfacing

NDD's connectivity engine offers a comprehensive set of default configured HL7 and XML interfaces. With one database and one platform for all EasyOne point-of-care solutions, data management has never been easier.

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

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

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
Asia	Chhabra (India) 2014, Dejsomritrutai (Thailand) 2000, Indonesia 1992, IP (China, HongKong) 2000 & 2006, JRS 2001 & 2014
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 H20/l/s at 16 l/s

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

Order Information

Part Number	Product
2500-2A	EasyOne Air US
2500-2INT	EasyOne Air International

Accessories

Part Number	Product
5050-50	EasyOne FlowTube, individually wrapped, box of 50 pcs
5050-200	EasyOne FlowTube, individually wrapped, box of 200 pcs
5050-500	EasyOne FlowTube, individually wrapped, box of 500 pcs
2030-2	NDD Calibration syringe 3L with EasyOne FlowTube Cal Check Adapter
5030-2	EasyOne FlowTube Adapter
2500-50.1	EasyOne Air USB cable B-micro (cradle to printer)
2500-50.2	EasyOne Air bluetooth dongle
2500-50.4	EasyOne Air battery pack
2500-50.5	EasyOne Air power supply with adapters
2500-50.11	EasyOne Air cradle with cables, power supply and adapters