

# EasyOne Air

All the Portable Advantages,  
One Connected Solution

by anandic



Laptop not included

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

The proven ultrasound technology  
**ndd TrueFlow**

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

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 60601-2, ISO 10993-1

**FDA** 510(k) clearance

**Associations & Institutes** ATS/ ERS 2005, NIOSH, OSHA

### Languages

English, French, German, Spanish

### 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

<b>FVC</b>	BEV, EOTV, FEF <sub>10</sub> , FEF <sub>25</sub> , FEF <sub>2575</sub> , FEF <sub>2575</sub> /FVC, FEF <sub>40</sub> , FEF <sub>50</sub> , FEF <sub>50</sub> /FVC, FEF <sub>60</sub> , FEF <sub>75</sub> , FEF <sub>80</sub> , FET, FET <sub>2575</sub> , FEV <sub>25</sub> , FEV <sub>5</sub> , FEV <sub>5</sub> /FVC, FEV <sub>75</sub> , FEV <sub>75</sub> /FVC, FEV <sub>1</sub> , FEV <sub>1</sub> /FEV <sub>6</sub> , FEV <sub>1</sub> /FVC, FEV <sub>3</sub> , FEV <sub>3</sub> /FVC, FEV <sub>6</sub> , FVC, MEF <sub>20</sub> , MEF <sub>25</sub> , MEF <sub>40</sub> , MEF <sub>50</sub> , MEF <sub>60</sub> , MEF <sub>75</sub> , MEF <sub>90</sub> , MMEF, PEF, PEFT, $t_0$
<b>FVL</b>	BEV, EOTV, FEF <sub>10</sub> , FEF <sub>25</sub> , FEF <sub>2575</sub> , FEF <sub>2575</sub> /FVC, FEF <sub>40</sub> , FEF <sub>50</sub> , FEF <sub>50</sub> /FVC, FEF <sub>60</sub> , FEF <sub>75</sub> , FEF <sub>80</sub> , FET, FET <sub>2575</sub> , FEV <sub>25</sub> , FEV <sub>5</sub> , FEV <sub>5</sub> /FVC, FEV <sub>75</sub> , FEV <sub>75</sub> /FVC, FEV <sub>1</sub> , FEV <sub>1</sub> /FEV <sub>6</sub> , FEV <sub>1</sub> /FVC, FEV <sub>3</sub> , FEV <sub>3</sub> /FVC, FEV <sub>6</sub> , FIF <sub>25</sub> , FIF <sub>50</sub> , FIF <sub>50</sub> /FEF <sub>50</sub> , FIF <sub>75</sub> , FIV <sub>25</sub> , FIV <sub>5</sub> , FIV <sub>1</sub> , FVC, MEF <sub>20</sub> , MEF <sub>25</sub> , MEF <sub>40</sub> , MEF <sub>50</sub> , MEF <sub>60</sub> , MEF <sub>75</sub> , MEF <sub>90</sub> , MIF <sub>25</sub> , MIF <sub>50</sub> , MIF <sub>75</sub> , MMEF, PEF, PEFT, $t_0$
<b>SVC</b>	ERV, IC, IRV, Rf, VC, VCex, VCin, VCmax, VT
<b>MVV</b>	MVV, MVV6, MVVtime, VT

## Predicted normal values Spirometry

<b>GLI</b>	Stanojevic 2009, Quanjer 2012
<b>North America</b>	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
<b>Latin America</b>	Pereira 1992, Perreira 2006 & 2008, Pérez-Padilla (PLATINO) 2006, Pérez-Padilla (Mexico) 2001, Pérez-Padilla (Mexico, Pediatrics) 2003, Chile 2010, Chile (Pediatrics) 1997
<b>Europe</b>	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
<b>Europe Scandinavia</b>	Hedenström 1985 & 1986, Gulsvik (Norway) 1985, Berglund Birath (Sweden) 1963, Langhammer (Norway) 2001, Finnish 1982 (1998), Nystad 2002
<b>Australia</b>	Hibbert 1989, Gore Crockett 1995
<b>Asia</b>	Chhabra (India) 2014, Dejsomritrutai (Thailand) 2000, Indonesia 1992, IP (China, HongKong) 2000 & 2006, JRS 2001 & 2014
<b>Africa</b>	Ethiopia 1985

## Flow/Volume Sensor

<b>Type</b>	Ultrasonic transit time
<b>Flow Range</b>	± 16 l/s
<b>Flow Resolution</b>	4 ml/s
<b>Flow Accuracy (except PEF)</b>	± 2% or 0.020 l/s
<b>PEF Accuracy</b>	± 5% or 0.200 l/s
<b>MVV Accuracy</b>	± 5% or 5 l/min
<b>Volume Range</b>	± 12 l
<b>Volume Resolution</b>	1 ml
<b>Volume Accuracy</b>	± 2% or 0.050 l
<b>Resistance</b>	0.3 cm H <sub>2</sub> O/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
<b>2500-2A</b>	EasyOne Air US Type A package
<b>2500-3C</b>	EasyOne Air EU Type C package
<b>2500-5G</b>	EasyOne Air UK Type G package
<b>2500-4I</b>	EasyOne Air AUS Type I package
<b>2500-6MJKM</b>	EasyOne Air India Type M package
<b>2500-7A</b>	EasyOne Air Canada Type A package

## Accessories

Part Number	Product
<b>5050-50</b>	EasyOne Flow Tube, individually wrapped, box of 50 pcs
<b>5050-200</b>	EasyOne Flow Tube, individually wrapped, box of 200 pcs
<b>5050-500</b>	EasyOne Flow Tube, individually wrapped, box of 500 pcs
<b>2030-2</b>	n dd Calibration syringe 3L with EasyOne Flow Tube Cal Check Adapter
<b>5030-2</b>	EasyOne Flow Tube Adapter



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