ndd
Medical Technologies

EasyOne Sky

Redefining spirometry with **Buddy**

Spirometry
(FVC, FVL including pre/post testing)

Meet **Buddy**,
your spirometry coach.

Buddy simplifies performing spirometry
- Encouraging incentives for patients
- Integrated coaching for better test results
- Immediate test feedback

**ndd TrueFlow - **The proven ultrasound technology

Simplifies high-quality spirometry
- Quickly and easily assess test quality and interpretation
- Calibration-free technology
- Accurate across broad flow ranges

TrueFlow
ndd
makes the difference

nddCloud
simplifying workflows

ndd's unique ultrasonic flow measurement is highly accurate in all flow ranges, independent of gas composition, pressure, temperature and humidity.

ndd **TrueFlow** is a hygienic and resistance-free solution that does not require calibration during its lifetime.

ndd's modern and secure connectivity solution. Designed to connect to healthcare platforms and EHR/EMR systems.

Standards & Recommendations

Quality, electrical, medical devices	ISO 13485, ISO 14971, IEC 62366-1, IEC 60601-1, IEC 60601-1-2, 2012/19/EU, 2011/65/EU, 2015/863, 2006/66 EU, 2018/852, 2014/53/EU,
Market clearance e.g.	FDA 510(k) EU MDR 2017/745
Standards	ATS/ERS 2019 Spirometry Standard

Languages — User Interface

English, Spanish

Users & Patients

User group	Healthcare professional
Age range (patient)	> 4 years

Technical Specifications

Dimensions	4.3 x 3.3 x 1.3" / 111 x 84 x 33 mm (L x H x W), 4.9 oz / 140 g (w/o battery)	
Device classification	Type BF applied part	
Operating conditions	Temperature:	41-104 °F 5-40 °C
	Rel. humidity (non-condensing):	15-90%
	Atmosph. pressure:	700-1060 hPa
Power source	2 x AA batteries (power consumption 0.3 W)	
Communication interface	Bluetooth Low Energy V5.1 and higher	
Data management	EasyOne Mobile nddCloud nddHub	
App compatibility	EasyOne Mobile app is compatible with ⊞ **Windows**	
	For minimum soft- & hardware requirements visit: nddmed.com/eos	

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Test	Test Description	Available Parameters
FVC	Forced expiratory vital capacity test	BEV, FEF_{25}, FEF_{25-75}, FEF_{50}, FEF_{75}, FET, $FEV_{.75}$*, $FEV_{.75}/FVC$*, FEV_1, FEV_1/FVC, FEV_1Q, FVC, PEF *only shown for children <6 yr
FVL	Flow volume loop test	BEV, FEF_{25}, FEF_{25-75}, FEF_{50}, FEF_{75}, FET, $FEV_{.75}$*, $FEV_{.75}/FVC$*, FEV_1, FEV_1/FVC, FEV_1Q, $FIVC$, FVC, PEF, PIF *only shown for children <6 yr
Post	Post bronchodilator test	FVC %change, FEV_1 %change

Predicted Normal Values – Spirometry

Global GLI (Bowerman) 2023, GLI (Quanjer) 2012, NHANES III (Hankinson) 1999

System Interpretation

ERS/ATS 2022, GOLD/Hardie

Flow/Volume Sensor

Type	Ultrasonic transit time
Flow range	$\pm$ 16 l/s
Flow resolution	1 ml/s
Flow accuracy (except PEF)	$\pm$ 2 % or 0.020 l/s
PEF accuracy	$\pm$ 5 % or 0.2 l/s
Volume range	$\pm$ 12 l
Volume accuracy	$\pm$ 2 % or 0.050 l
Resistance	< 1.5 cm H2O/l/s at 14 l/s

Order Information 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
2800-50.1sp	EasyOne Sky Bluetooth dongle

Order Information Device *

Part number	Product
2800-1M	EasyOne Sky
2800-1D	EasyOne Sky incl. BLE dongle for PC use

* not available in all countries