

Vitalograph copd-6 range



the difference is clear

Vitalograph copd-6 range

COPD screening monitors

Vitalograph[®]
Your respiratory partner

Vitalograph copd-6

Case selection for spirometry and monitoring diagnosed COPD sufferers

- ❖ For the early detection of COPD - quickly, simply & accurately
- ❖ Identifies those at risk of COPD at the pre-symptomatic stage to allow early medical intervention and facilitate better clinical outcomes
- ❖ Screens out those whose FEV₁ is normal, and who therefore do not have COPD, without the risk of false COPD negatives
- ❖ Facilitates 'case selection' so that spirometry resources can be focused on those most likely to be diagnosed with COPD
- ❖ Monitors COPD patients using their 'number', the obstructive index – FEV₁ as a percent of predicted
- ❖ Displays FEV₁, FEV₆, ratio and % predicted, obstructive index, COPD classification and lung age
- ❖ Built-in quality of blow indicator on a large, easy to read display
- ❖ Easy to clean flowhead
- ❖ Can be used with hygienic SafeTway® mouthpieces or a BVF
- ❖ Displays the GOLD COPD classification (stage I – IV) to help recognise the need for a change in the patient's management plan
- ❖ Requires only minimal instruction for use by non-respiratory specialists



The copd-6™ comes complete with:

- ❖ 3 SafeTway mouthpieces
- ❖ Carry pouch
- ❖ Guide for the healthcare professional
- ❖ 2 AAA Batteries

The copd-6 is very easy to use, simply:

- ❖ Enter age, height and gender
- ❖ Blow for 6 seconds (device beeps after 6 seconds)
- ❖ Blow 3 times
- ❖ Press 'Enter' to view results
- ❖ Transmit report via usb on comms version

Vitalograph copd-6 usb

Compatible with Vitalograph Reports Software

- ❖ Single page record for screening or monitoring
- ❖ Various report options
- ❖ Optional subject ID and name fields (weight field optional)
- ❖ Ability to add comments to the report
- ❖ Age, height, gender, device ID, time/date fields automatically populated
- ❖ Predicted values, 3 test results, best test, % predicted and lung age automatically tabulated
- ❖ Obstructive index, COPD (GOLD) Classification indicator
- ❖ BMI calculated
- ❖ Blow quality indicator
- ❖ Interpretation of results
- ❖ Can automatically name the PDF file
- ❖ Ability to customise report headers
- ❖ Ability to add comments to the report



Additional Report Information

The following details are not stored on the copd-6 device. If you would like any of these details to be displayed on the generated report, please enter them now. Otherwise, they shall not appear on the report.

Demographics

Last Name: _____ Initial: _____ First Name: _____

Subject ID: _____ Weight (kg): _____

Comments: _____

Unit Measure
 Imperial & US
 Metric



The copd-6 usb comes complete with:

- ❖ Reports software & API documents CD
- ❖ USB cable
- ❖ 4 SafeTway mouthpieces and disposable noseclips
- ❖ Carry pouch
- ❖ Guide for the healthcare professional
- ❖ 2 AAA batteries

Vitalograph
COPD Screening Report

This is a Customer Header for Company XYZ, Dept ABC

Subject Information						
Subject Name:	John Doe	Subject ID:	564565			
Gender:	Male	Age:	37			
Height:	175 cm	Regression Set:	Temp			
Weight:	70 kg	BMI:	22.9			

Test Information						
Device ID:	1234567890	Report Date:	09-Jul-2008 13:28			
Device Firmware Ref:	04108	Device Software Ref:	V1.06			
Number of Blows:	10	Number of Good Blows:	5			
Best FEV1 within:	0.04 L	Best FEV6 within:	0.2 L			

Parameter	Normal Predicted	Test 1	Test 2	Test 3	Best Test	% Pred
FEV1 (L)	3.96	2.25	2.21	2.16	2.25	57
FEV6 (L)	4.78	2.48	2.38	2.16	2.48	52
FEV1/FEV6 (ratio)	0.82	0.90	0.96	0.99	1.00	110

Obstructive Index **COPD (GOLD) Classification**

<table border="1"> <tr><td>Normal</td><td>≥ 80%</td></tr> <tr><td>Mild</td><td>< 80%</td></tr> <tr><td>Moderate</td><td>< 50%</td></tr> <tr><td>Severe</td><td>< 30%</td></tr> </table> <p>FEV1 Measured/FEV1 Predicted</p>	Normal	≥ 80%	Mild	< 80%	Moderate	< 50%	Severe	< 30%	<table border="1"> <tr><td>Normal</td><td>FEV1/FEV6 ≥ 0.70</td></tr> <tr><td>Stage I</td><td>FEV1/FEV6 < 0.70 & FEV1 ≥ 80 % Pred.</td></tr> <tr><td>Stage II</td><td>FEV1/FEV6 < 0.70 & FEV1 < 80 % Pred.</td></tr> <tr><td>Stage III</td><td>FEV1/FEV6 < 0.70 & FEV1 < 50 % Pred.</td></tr> <tr><td>Stage IV</td><td>FEV1/FEV6 < 0.70 & FEV1 < 30 % Pred.</td></tr> </table>	Normal	FEV1/FEV6 ≥ 0.70	Stage I	FEV1/FEV6 < 0.70 & FEV1 ≥ 80 % Pred.	Stage II	FEV1/FEV6 < 0.70 & FEV1 < 80 % Pred.	Stage III	FEV1/FEV6 < 0.70 & FEV1 < 50 % Pred.	Stage IV	FEV1/FEV6 < 0.70 & FEV1 < 30 % Pred.
Normal	≥ 80%																		
Mild	< 80%																		
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Stage II	FEV1/FEV6 < 0.70 & FEV1 < 80 % Pred.																		
Stage III	FEV1/FEV6 < 0.70 & FEV1 < 50 % Pred.																		
Stage IV	FEV1/FEV6 < 0.70 & FEV1 < 30 % Pred.																		

Interpretation

Lung Age: 89 years
 Obstructive Index: 57%
 Interpretation: Normal, not COPD
 Possible Restriction

Fletcher C Peto R (1977). The natural history of chronic airflow obstruction. British Medical Journal. 1 1645-1648

Comments

Test Report

Signature: _____ Date: _____

Vitalograph Reports - Software Reference: 65030 V1.20.0023 Page 1 of 1

Technical Specification:

Product: Respiratory Monitor

Model Number: 4000

Parameters Displayed: FEV₁/FEV₆/ratio and % predicted

Quality of Blow Indicator: Yes

Obstructive Index: Mild, Moderate, Severe (FEV₁% predicted)

COPD Classification: Normal (not COPD); Stage I, II, III & IV (FEV₁% predicted)

Lung Age Indicator: Yes

Accuracy: Better than +/-3%

Range: 0 - 9.99 L BTPS

Sensor: Stator rotor

Flow Impedance: Better than 0.15 kPa/L/s at 14 L/s

Power Supply: AAA batteries

Display: Custom liquid crystal display

Size: 113 x 63 x 48mm

Weight: 55g

Performance Standards:

ISO 26782:2009; ISO 23747:2007; ATS//ERS 2005

Operating Temperature: 17 - 37°C

Safety Standards: IEC 60601-1:2005

Medical Safety Standard: Medical Devices 93/42/EEC (as amended)

Designed & Manufactured Under:

ISO 13485:2003, FDA 21CFR820

Ordering Info:

40200	4000 Respiratory Monitor copd-6
40450	4000 Respiratory Monitor copd-6 usb
40850	4000 Respiratory Monitor copd-6 s
40350	4000 Respiratory Monitor copd-6 bt
20242	2024 SafeTway® mouthpieces (200)
20980	2024 SafeTway® mini mouthpieces (50)
28350	2820 BVF™ Bacterial Viral Filters (50)
20303	2030 Noseclips disposable (200)
36020	2040 3-L Precision Syringe

4000 Respiratory Monitors

Variant	PEF	FEV ₁	FEV ₀₋₅	FEV ₀₋₇₅	FEV ₆	FEF _{25-75%}	Ratio	Lung Age	Memory	Personal Best	GOLD	PDF Reports
asma-1™	●	●	○	○	○	○	○	○	600	●	○	○
asma-1 child version	●	●	●	●	○	○	○	○	600	●	○	○
asma-1 usb, s, bt	●	●	○	○	○	○	○	○	600	●	○	●
copd-6™	○	●	○	○	●	○	●	●	○	○	●	○
copd-6 usb, s, bt	○	●	○	○	●	○	●	●	○	○	●	●
lung monitor	○	●	○	○	●	○	●	○	200	●	○	○
lung monitor usb, s, bt	○	●	○	○	●	●	●	○	200	●	○	●
lung age	○	●	○	○	○	○	○	●	○	○	○	○

● Available ○ Not available

usb - USB

bt - Bluetooth

s - Serial

Vitalograph®

Your respiratory partner

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