

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% | | | | | | | | | | | | | | | | | | |
| Moderate | < 50% | | | | | | | | | | | | | | | | | | |
| Severe | < 30% | | | | | | | | | | | | | | | | | | |
| 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. | | | | | | | | | | | | | | | | | | |

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 |

To order, or for more information, please contact;

docStock
com.au

Ph: (02) 8850 7177 Fax: (02) 8850 7988
email: info@docstock.com.au

www.docstock.com.au [...medical products online]

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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