Supporting smoking cessation

Finding and maintaining the motivation to give up smoking can be difficult. The Vitalograph Lung Age and the BreathCO™ monitor are designed to support effective smoking cessation interventions by providing objective data on the impact of smoking on subject’s lungs.

Vitalograph Lung Age

Reduced FEV\textsubscript{1} is a key indicator of COPD (Chronic Obstructive Pulmonary Disease), a disease most often caused by smoking. Early identification of a reduction in FEV\textsubscript{1} can provide early warning of the insidious damage already suffered by the lungs before the smoker notices dyspnea, when smoking cessation is most effective.

The Vitalograph Lung Age compares a subject’s FEV\textsubscript{1} with predicted normal values to calculate the subject’s ‘lung age’. A high lung age in relation to the subject’s chronological age can illustrate the likely negative impact of continued smoking on lung function and encourage smoking cessation.

- Quick and simple to use
- Interprets lung age to help illustrate the impact of smoking on the subject’s lungs
- Zones indicate abnormality level
- Measures FEV\textsubscript{1} and displays FEV\textsubscript{1} as a % of predicted values
- Automatically calculates the best FEV\textsubscript{1} from multiple blows

Vitalograph BreathCO carbon monoxide monitor

The BreathCO provides powerful motivation to give up smoking by clearly illustrating the levels of carbon monoxide excreted from a smoker’s lungs.

- The ‘gold standard’ CO monitor is used in many research studies
- Fast indicator of smoking status by measuring alveolar carbon monoxide
- CO levels in ppm shown on the large display, not COHb estimates
- Unique zero adjuster, highly stable calibration and long life sensor
- Inexpensive, hygienic disposable mouthpiece and replaceable sample ‘T’ valves
Technical Specification:

**Product:** Vitalograph Lung Age
**Model Number:** 4000
**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:**

Ordering Info:

40500  4000 Lung Age Respiratory Monitor
20242  2024 SafeTway® Mouthpieces (200)

Vitalograph is a world leading provider of outstanding quality cardio-respiratory diagnostic devices, clinical trial services and medical equipment servicing. With a pioneering heritage of excellence spanning half a century Vitalograph continues to make valuable contributions to effective medical care and enhanced quality of life.

Technical Specification:

**Product:** Vitalograph BreathCO carbon monoxide monitor
**Model Number:** 2900
**Size:** 175x100x50mm
**Weight:** 0.3kg
**Operating Temperature:** 17 - 37°C
**Display Resolution:** Parts per million (ppm)
**Display Range:** 0 to 199 ppm
**Power Supply:** 9V dry alkaline battery
**Digital Display:** 3.5 digit LCD

**Safety Standards:** IEC 60601-1:2005
**Medical Safety Standard:** Medical Devices 93/42/EEC (as amended)

**Designed & Manufactured Under:**

Ordering Info:

29750  2900 BreathCO
20202  2020 Mini Mouthpieces (400)
29512  T-Valves (10)

Returning the BreathCO annually for recalibration and service is recommended.