SPIRODOC SPIROMETER + OXIMETER + WINSPIRO PRO SOFTWARE

Code:	**33534**
Category:	**Spirometers**
Unit of sale:	**1 pc.**
Minimum order:	**1**
Type:	**Medical device**
Class:	**II A**
NSIS:	**2494319**
CND:	**Z12150102**
EAN13:	**8023279335347**

Description:

One touch laboratory for respiratory analysis suitable for professional and personal use.

Complete spirometer ATS/ERS compliant
Speclalist-Ievel analysis, screening and Home-care monitoring. It has been developed with various operation modes: "advanced" parameters for the specialist, "reduced" set of parameters for screening as well as a "simplified" version for Home-care operation. FVC, VC, IVC, MVV, PRE-POST. Precise spirometry interpretation including post bronchodilator. All tests are automatically memorized. Automatic BTPS conversion. Memory capacity: 10.000 tests. Wide selection of predicted values.

Intelligent pulse oximeter with on-screen results
Simple, clear SpO2 and Pulse Rate measurements with plethysmographic curve. During the single six-minute walk test (6 MWT), Spirodoc® estimates the level of oxygen therapy required by the patient. Spirodoc® carries out sleep desaturation studies and memorizes events as well as body position.

3D Accelerometer with motion analysis
Spirodoc® is the first 3D Oximeter® incorporating a triaxial motion sensor to correlate the saturation level (%SpO2) with physical activity (walk counter, movement analysis and VMU).

Home-care symptoms diary
Fast on-screen symptoms entry. Touch screen with settable questions and automatic answer recording for homecare patient use (eDiary).

High performance PC software for spirometry and oximetry
All tests memorized in Spirodoc® are automatically downloaded into WinspiroPRO and a patient data card is created with a preview of the spirometry curve. WinspiroPRO can easily be connected to a database, EPR, hospital or occupational health system. This software also gives trend graphs of any parameter. All stored tests and curves of every patient can be reviewed on a single page and the results, including oximetry tests, can be compared.

Supplied with reusable turbine.
Multilanguage software: GB, FR, IT, ES, DE, PT, PL, NL SE, CZ, LV, TR, RU, CN, JP.

Technical Specifications:

Central unit
• Display: LCD backlit touch screen display 128x64 pixels

• **Power supply: Lithium ion 3.7 V, 1100 mA rechargeable battery with 50 hours measurement back up**
• **Accelerometer: Triaxial ±2 g, 400 Hz sampling**
• **Dimension and weight: central unit 101x48x16 mm, 99 g removable turbine head: 46x47x24 mm, 17 g**

Spirometry
• **Flow sensor: Bi-directional digital turbine**
• **Flow range: ±16 L/s**
• **Volume accuracy: ±3% or 50 mL, whichever is greater**
• **Flow accuracy: ±5% or 200 mL, whichever is greater**
• **Dynamic resistance at 12 L/s: <0.5 cm H2O/L/s**
• **Temperature sensor: semiconductor (0-45°C)**

Spirometer measured parameters
• **FVC, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25%-75%, FET, Estimated Lung Age, Extr. Vol., FIVC, FIV1, FIV1/FIVC%, PIF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MW measured, MW calculated**

Oximetry
• **SpO2 range: 0 -100%, ±2% (50-100% SpO2)**
• **Pulse rate range: 20-254 BPM, ±2 BPM or 2%**

Pulseoximeter measured parameters
• **SpO2 [Baseline, Min, Max, Mean], Pulse rate [Baseline, Min, Max, Mean], T90% [SpO2<90%], T89%[SpO2<89%], T88% [SpO2<88%], T5% [?SpO2>5%], ?index [12s], SpO2 events, Pulse rate events [Bradycardia, Tachycardia], Step counter, Movement [VMU], Recording time, Analysis time**

Sleep analysis
• **Body position, SpO2 events, Desaturation index (ODI), Desaturation [Mean Value, Mean duration, Longest duration, Nadir Peak], ?SpO2 [Min Drop, Max Drop], Total Pulse Variations, Pulse Rate Index, NOD89% [SpO2<89%; >5min], NOD4% [SpO2 Basale-4%; >5min], NOD90% [SpO2<90%; Nadir<86%; >5min]**