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EP-LU10001 *EUROspiro SP-01* USB SPIROMETER

NB product is subject to change without notice.

Description

EUROSPIRO SP-01 is the new solution for spirometry according to BTPS. It features USB interface and disposable turbine.

EUROSPIRO SP-01 Supports forced, relaxed and MVV vital capacity measurements. Three measurement modes. Supports real-time monitoring of device connection and correction of body temperature and saturated pressure (BTPS).
Supports flow-volume curve (volume velocity loop) and volume-time curve (vital capacity-time curve). Detects up to 50 analysis parameters such as FVC, PEF, FEV1, FEV1/FVC, FEV6 lung age, etc. Supports detection, automatic diagnosis and end of exhalation.

EUROspiro SP-01 is compatible with BOFAP®
The only cardboard AVB Filter !
Designed, patented and manufactured by LUMED®

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Technical Features

Manufacturer & Model	Beneware SP-01
Transducer	Turbina digitale bidirezionale, up to 300 tests
Temperature Sensor	Semiconductor, 0°-45°C
Volumes	0 to 10 litres, accuracy ±3% or 50 ml
Flows	-16 to 16 liters/ses, accur accuracy atezza ± 5% or 200 ml/s
BTPS	Automatic BTPS correctin is included (Body Temperature and Pressure Saturated)
Resistence at 12 l/s	< 0.5 cmH2O/l/s
Predicted Values	GLI, ECCS, Austrian-Forche, Multicentrico de Barcelona, Polgar 71 e 79, Morris, Austrian Reference Values, Crapo, Cherniak, Knudson, Ulmer, Baur, Hankinson (Caucasian/Asiatic, Afro-American, Latin American), Schindl, Zapletal, Zhejiang, Chinese
Acceptance Criteria	ATS, ERS, BTS
Interpretative Models	ATS/ERS 2005, NICE 2010, ARTP

Parameters

✓ *FVC	✓ FEV05	✓ FET	✓ IC
✓ *FEV1	✓ FEV05/FVC	✓ EVOL	✓ ERV
✓ *PEF	✓ FEV075	✓ FIVC	✓ IRV
✓ FVC	✓ FEV075/FVC	✓ FIV1	✓ VT
✓ FEV1	✓ FEV2	✓ FIV1/FIVC	✓ VE
✓ FEV1/FVC	✓ FEV2/FVC	✓ PIF	✓ Rf
✓ FEV1/VC	✓ FEV3	✓ FIF25	✓ tI
✓ PEF	✓ FEV3/FVC	✓ FIF50	✓ tE
✓ PEF Time	✓ FEV6	✓ FIF75	✓ TV/tI
✓ FEF2575	✓ FEV1/FEV6	✓ FEF50/FIF50	✓ tI/tTOT
✓ FEF7585	✓ FEV1/PEF	✓ MVVcal	✓ MVV
✓ FEF25	✓ FEV1/FEV0.5	✓ VC	✓ ELA
✓ FEF50	✓ FET	✓ EVC	* best values
✓ FEF75	✓ EVOL	✓ IVC	

Interface	USB
Languages	Italiano, English, Spanish, French, German, Portugues, Polish, Russian.
Protection Grade	IPX0
Size & Weight	144,5 x 52 x 28,5 mm; 100 grams
Environmental Requirements	✓ Temperature 5°-40°C ✓ Humidity < 80% not condensing ✓ Pressione 700-1060 hPa
Safety, Protection	Class II, BF Type
Power	5.0V±10% from USB port A-Type