Sibelmed®

Computerized spirometer for the diagnosis of respiratory diseases such as **ASTHMA** and **COPD**.

SPIROMETER **DATOSPIR** *aira*



USB

HL7 Spain

CE 0318

aira

Wireless Spirometry

DATOSPIR *aira* · Computerized Spirometer

DATOSPIR *aira* represents the 8th generation of spirometers developed by SIBELMED's RDi department, complying with the latest ERS/ATS and SEPAR standards.

DATOSPIR *aira* is the only computerized spirometer that combines Bluetooth® and USB connectivity and that, at the same time, allows the choice of 3 transducers:
DISPOSABLE (Lilly), FLEISCH and TURBINE.

DISPOSABLE WITH INTEGRATED FILTER: Very precise pressure transducer that reduces the risk of contamination and cross infection.

FLEISCH: Very precise pressure transducer used in a multitude of pulmonary units.

TURBINE: Turbine transducer.



Bluetooth Connectivity
Wireless connection to the computer



Visual indicator
Reports on the appliance status





Ergonomic handle
Designed for maximum convenience

Auto-shutdown
Battery saving auto-shutdown system





Temperature sensor
Integrated into the appliance

USB connectivity
Connects to the computer via USB



The versatility of the DATOSPIR *aira* makes it the ideal spirometer for occupational health, primary care, pulmonary function units, private practice and platform integration environments.



DATOSPIR *aira* · Computerized Spirometer

W20s software

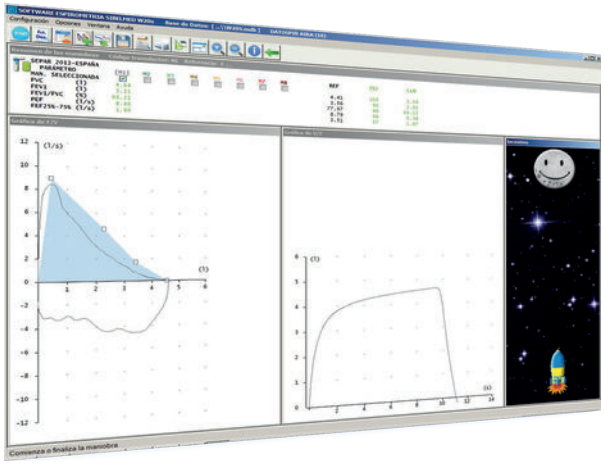
FREE updates

DATOSPIR *aira* incorporates as standard the *SIBELMED W20s* software, to carry out simple intuitive and quality spirometry:

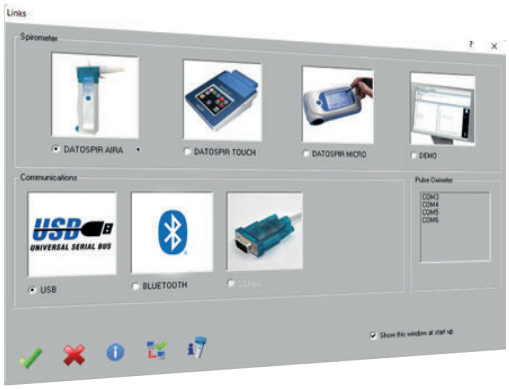
- Tests: FVC/ Bronchodilation, VC, MVV and bronchoconstriction (**+40 parameters**).
- Simultaneous F/V and V/T graphs.
- Incentive graphs.
- Selection of different automatic diagnoses.
- More than 20 international references.
- Includes the Quanjer 2012-GLI with LLN and Z-score reference values.
- Spirometry quality control.
- Trend reports to view the development of the patient.
- Export data in XML or PDF.
- Management of different databases.
- Compatible with Windows, 7, 8.1, 10 and 11.
- Optional: Weather station (incorporating humidity and pressure for optical spirometry).
- Optional: Pulse oximetry module.



Suitable for Windows tablet



FVC with incentive



Compatible with Sibelmed spirometers

Interoperability

The optional module **W20s**Link allows interoperability with the Hospital Information System (HIS).
Export formats: PDF, XML, DICOM, CDA/HL7.



Compatible with HL7 spirometry CDA

Integration

The Bluetooth portability and connectivity of the DATOSPIR *aira* allows the spirometer to integrate into external platforms.



Sibelmed®

DATOSPIR *aira* · Computerized Spirometer

Technical Specifications

Models by transducer	Disposable	Disposable with filter	Fleisch	Turbine
Weight (g.)	124	133	182	173
Dimensions (cm.)	15,5 x 10 x 3.5	15,5 x 20 x 9	18 x 9 x 5	18 x 9 x 5
Measurement range (BTPS) Flow Volume	0 to ±16 l/s 0 to 10 l			
Resistance to: 14 l/s (cmH_20 / l/s)	<1.2	<1,5	<1.4	<0.6
Measurement accuracy (BPTS) Volume Flow PEF	(whichever is greater) 2,5% or 50 ml 3% or 150 ml/s 10% or 170 ml/s (EN ISO 23747:2015)			
Connectivity	Bluetooth® Technology 5.1 Dual-mode Classic (BD/EDR) and Low Energy (LE). USB 2.0 and 3.0			
Batteries	2 batteries AAA rechargeables Ni-Mh 1.2V 800 mAh 2 Alkaline batteries AAA (Recommended)			

Tests and Parameters

FVC/Bronchodilation
VC
MVV
Bronchoconstriction

- FVC
- FEV0.5
- FEV0.75
- FEV1
- FEV0.5/FVC
- FEV0.75/FVC
- FEV1/FVC
- PEF
- FEF25%-75%
- ...

More than 40 parameters

DATOSPIR *aira* D
DISPOSABLE



Code 09883

DATOSPIR *aira* F
FLEISCH



Code 09884

DATOSPIR *aira* T
TURBINE



Code 09885

Adult and Pediatric References

GLI/QUANJER · SEPAR 2013 · ERS · KNUDSON · CRAPO · ZAPLETAL · MORRIS · AUSTRIA · GUTIERREZ · CASTRO - PEREIRA 2002 · POLGAR-WENG HANKINSON-NHANES III · PEREZ-PADILLA · A.J. CRUZ GOLSHAN · GARCIA RIO · CANDELA · PLATINO · THAI 2000 · CASTRO PEREIRA 2007

Standard

1 Bag of 5 nose clips
1 Travel bag
1 Pendrive: Software + instructions manual
1 Quick guide
1 USB cable
2 Alkaline AAA batteries
Disposable Model:
5 Disposable transducers with filter
Calibration adapter
Fleisch/Turbine model:
5 Bacterial filters

Optional

01145 Bluetooth adapter
01739 Charger for Ni-Mh batteries
01149 Pediatric mouthpiece adapter (for Turbine and Fleisch transducers)
07155 Spirometer support
09084 Lanyard
08290 Calibration syringe

Optional W20s Software

07071 Pulse oximetry module
09581 USB weather station

Consumable

03169 Disposable transducer (50u.)
09698 Bacterial-viral filter (in boxes of 100u.)
09718 Disposable transducer with filter (in boxes of 100u.)
02692 Plastic nose clip (5u.)
09661 Disposable plastic nose clip (100u.)

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Product compliant with:
Medical Devices Regulation (EU) 2017/745

EN ISO 9001:2015 EN ISO 13485:2016+A11:2021

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