

Sibelmed®

+35 años
years

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

DATOSPIR *aira*

SPIROMETER



aira

Wireless Spirometry

HL7

Bluetooth®

USB

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: Very precise pressure transducer that avoids cross contamination. Without filters or mouthpieces!

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.

aira



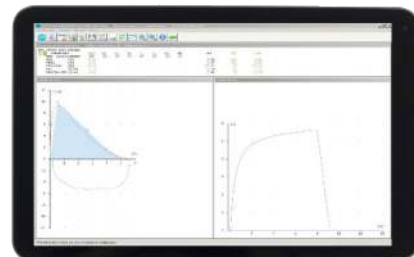
DATOSPIR *aira* - Computerized Spirometer

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 XP, VISTA, 7, 8.1 and 10.



Suitable for Windows 10 tablet



Database



Compatible with all Sibelmed spirometers

Interoperability

The optional module **W20sLink** allows interoperability with the Hospital Information System (HIS).

Export formats: PDF, XML, DICOM, CDA/HL7.



Compatible with  spirometry CDA

Integration

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



DATOSPIR *aira* · Computerized Spirometer

Technical Specifications

Models by transducer	Disposable	Fleisch	Turbine
Weight (g.)	124	182	173
Dimensions (cm.)	15.5 x 10 x 3.5	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 ₂ O / l/s)	<1.2	<1.4	<0.6
Measurement accuracy (BPTS) Volume Flow PEF	(whichever is greater) 3% or 50 ml 5% or 200 ml/s 10% or 300 ml (ATS/ERS 2005) 10% or 170 ml/s (EN ISO 23747:2015)		
Connectivity	Bluetooth 2.0 USB 2.0 and 3.0		
Batteries	2 alkaline AAA batteries (standard) 2 rechargeable AAA batteries		

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*
DISPOSABLE



Code 09064

DATOSPIR *aira*
FLEISCH



Code 09063

DATOSPIR *aira*
TURBINE



Code 09065

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 Accessories

- 1 Plastic mouthpiece
- 1 Nose clip
- 1 Travel bag
- 1 CD software + instructions manual
- 1 Quick guide
- 1 USB cable
- 2 Alkaline AAA batteries

Disposable Model:

- 1 Bag of 25 disposable transducers
- 1 Calibration adapter

Fleisch/Turbine model:

- 1 Bag of 50 cardboard mouthpieces

Optional Accessories

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

Consumable

- 03169 Disposable transducer (50 u.)
- 08268 Bacterial filter (100 u.)
- 01555 Cardboard mouthpieces
(100 u.)
- 02692 Plastic nose clip (5 u.)

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Sibel is a member
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CE0197 EN-ISO 9001:2008 EN-ISO 13485:2012+AC:2012

