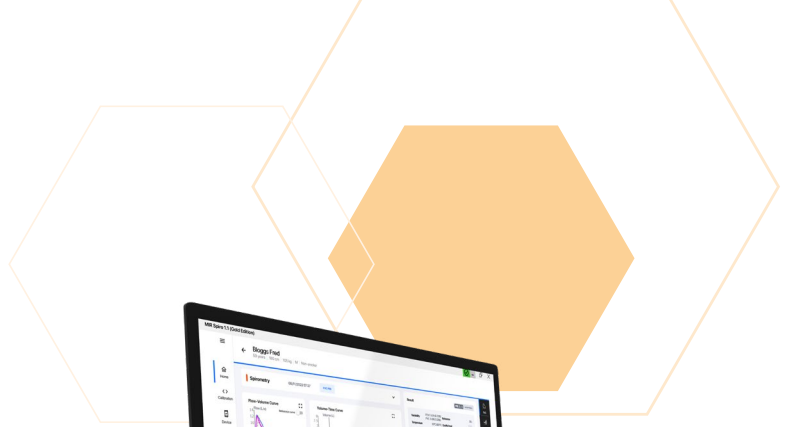




For everyone



Minispir

Handheld pc-based spirometer

A handheld pc-based spirometer which brings a new standard to spirometry. Connected directly to a PC via USB, the Minispir is designed for complete ease-of-use and accurate subject testing. The ideal solution for occupational health spirometry.

PC connectivity

The Minispir is operated directly through the supplied MIR Spiro PC software. When used with MIR Spiro, the volume-time and flow-volume graphs are instantly displayed along with proactive features that identify obstructive and restrictive test patterns.

Advanced technology

A complete range of user defined spirometric parameters can be precisely measured and automatically interpreted, with all associated quality control indicators displayed for review.

Includes a wide range of selectable parameters. Spirometry test interpretation and Quality Control Grade according to the latest spirometry standards. Embedded temperature sensor for BTPS conversion.

Portability

Supplied with a custom carry case and weighing only 65g (0.14lbs), the Minispir fulfils all occupational health screening requirements for portable spirometry equipment.

Hygiene

The Minispir allows for a variety of mouthpieces to be used in conjunction with an occupational screening programme, ensuring safe and hygienic testing.

Optional disposable turbines with mouthpieces can be supplied as well as Bacterial Viral Filter (BVF) mouthpieces for a safe way to complete spirometry whilst providing reassurance to the subject.

Key features

Real time testing via PC

Measured parameters include PEF, FEV1 and Fev1/FVC

Enhanced reliability

Integrated USB cable for efficient and reliable testing

Handheld device for complete portability

ATS/ERS 2019 compatible

Visit www.amplivox.com/spirometry/minispir to learn more about the features and benefits of the Minispir

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Technical specifications

Flow sensor:	Bi-directional digital turbine
Flow range:	±16L/s
Flow accuracy:	±5% or 200 mL/s
Volume range:	10L
Volume accuracy:	±2.5% or 50 mL (ATS 2019)
Dynamic resistance:	<0.5 cm H ₂ O/L/s
Temperature sensor:	Semiconductor (0-45°C)
Operating conditions:	Temperature MIN +10°C, Max +40°C

Physical data

Power supply:	5v dc USB connection
Dimensions (L x W):	142 x 49.7mm
Weight (central unit):	Central unit: 65g / 0.14lbs
PC connectivity:	USB 2.0
Turbine	Reusable turbine / disposable turbine

Measured parameters

FVC, VC, IVC, MVV, PRE-POST FVC, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25, FEF50, FEF75, FEF2575, FET, ELA, EVOL, FIVC, FIV1, PIF, FIV1/FIVC% PIF, IRV, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, RF, t_V , t_i , t_{TOT} , VT/ t_V , MVV

Applicable standards

IEC 60601-1:2005 + Amd1:2012
 EN 60601-1-2: 2015
 ISO 26782: 2009
 ISO 23747: 2015
 ATS/ERS: 2005, 2019 update
 ISO 80601-2-61: 2017

Please note: The Minispir is manufactured by MIR and distributed by Amplivox Ltd.

Standard equipment

- Re-usable turbine
- Noseclip
- Carry case
- MIR Spiro Gold PC spirometry database software

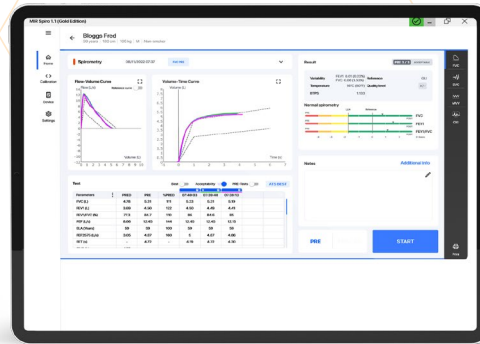
Optional equipment

- 3 Litre calibration syringe
- MIR Spiro (platinum)

Consumables

- One-way mouthpieces
 - Box of 200
 - Box of 500
- Bacterial Viral Filter mouthpieces
 - Box of 100
- Re-usable turbine
 - Single

Additional information



MIR Spiro

Designed for professionals, MIR Spiro Gold (supplied) and MIR Spiro Platinum (chargeable) provides users with an efficient, responsive and user-friendly interface for data management.

Compliant with the most advanced standards (ATS/ERS 2019, HIPAA & GDPR) and presents new and improved features.