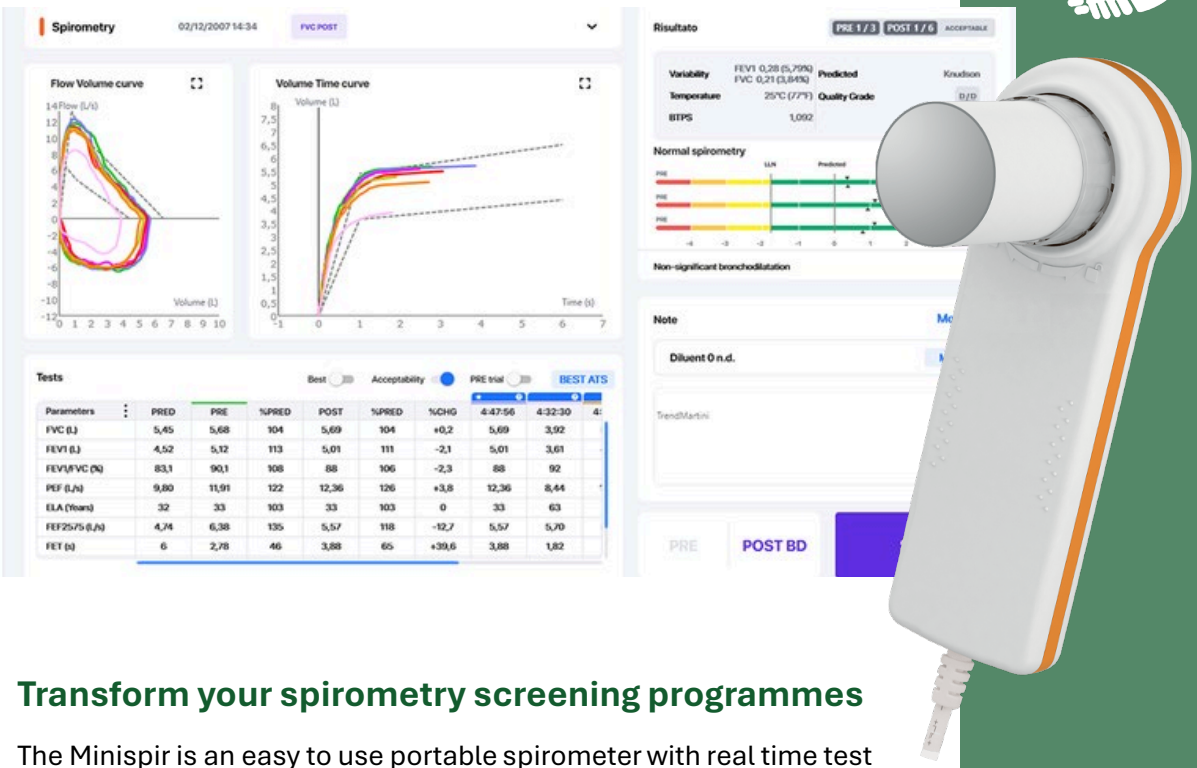
Minispir PC based spirometer



Transform your spirometry screening programmes

The Minispir is an easy to use portable spirometer with real time test results directly on the PC screen for review and assessment.

Predicted values

Wide selection of predicted values including GLI, ERS and others ensure compatibility with most user requirements.

Mir Spiro Software

An ATS/ERS complaint PC application that is supplied with Minispir. Improves workflow as the patient details are entered on the left of screen, test selected and then test is initiated with results automatically saved. There is the option to generate several test report formats and having connectivity to various electronic medical record applications to further improve the test process and reduce administration time.

Mir Spiro supports test assessment by displaying the current ATS/ERS quality control grades and Z score calculations to assist with both test consistency and the test outcome considerations

Portability

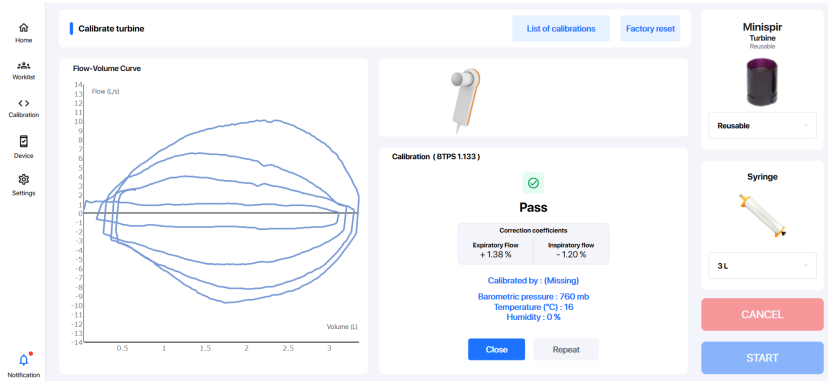
With a plug and play design ethos and a moulded USB cable entry into the spirometer, the spirometer has enviable reliability and consistency. It weighs just 65 g and is supplied in a custom designed carry case.

- Portable
- Plug and play design
- ATS / ERS 2019 compatible
- Easy to use
- Z-score calculation
- 2019 quality control grading
- Civica compatible

Optional accessories

- 3L syringe
- 3L syringe case
- BVF mouthpieces
- Replacement turbines
- Single use turbines

Daily Verification



The Mir Spiro application can be used to complete the required daily calibration verification.
The software will also automatically save the verification report for future audit or medico legal purposes and clearly identify a pass/fail outcome on the report. This feature is designed to minimise administration tasks and time.

Optional Accessories

3L syringe | 3L syringe case | Replacement turbine

Mouthpieces

BVF mouthpieces | Single use turbines

Minispir technical specifications

Specification	Details
Size	49.7 x 142 x 26 mm
Weight	65 g
Turbines	- Reusable Turbine (code 910002) - Disposable turbine (code 910004C)
Supply voltage	5V USB connection
Nominal electrical power	0.25W
Nominal input current	50mA max
Backup battery voltage	-
Connectivity	USB 2.0
Display	-
Mouthpiece	Ø 30 mm (1.18 inches)
IP protection level	IPX1
Electrical protection	Class II device
Electrical safety level	Type BF device
Terms of use	Device for continuous use
Storage conditions	Temp: MIN -10°C, MAX+70°C Humidity: MIN 10% RH, MAX 95%RH
Terms of use	Temp: MIN -10°C, MAX +40°C Humidity: MIN 10% RH, MAX 95%RH
PC Software	MIR Spiro
Memory capacity	PC software database

Specification	Details
Flow sensor	two-way digital turbine
Flow Range	± 16 L/s
Volume accuracy (ATS 2019)	± 2.5% or 50 mL
Flow accuracy	± 5% or 200 mL/s
Dynamic resistance	< 0.5 cm H2O/L/s
Temperature sensor	Semiconductor (0–45°C)
Available tests	FVC, VC, IVC, MVV, PRE-POST
Measured parameters	FVC, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, TPEF, FEF25, FEF50, FEF2575, FEF7585, FET, FEV05, FEV05%, FEV075, FEV075%, FEV2, FEV2%, ELA, BEV, FIVC, FIM, PIF, FIV1/FIVC%, PIF, FIV, VC, IVC, EVC, IC, EI, REX, ERV, FIV0, FIV1/FIVC, FEV1/VC%, FIF25, FIF50, FIF75, R50, VT, VE, RR, ti, te, ti/tTOT, VT/ti, MVV, MVV cell, MV

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