



# Technological innovations for medical diagnostics



## SpiroConnect

Portable PC based spirometer

- ◆ Precision spirometer for diagnosis and management of Asthma and COPD
- ◆ Extremely stable, reliable and accurate at all flows
- ◆ Vertical turbine sensor surpasses ATS/ERS guidelines for the low flow sensitivity of 0.025 l/s
- ◆ Advanced yet operator friendly PC software allows for a competent spirometry diagnoses
- ◆ Easy to maintain with low running costs

# Precision spirometry for multiple applications

MedChip Solutions combine technological innovations with over 30 years design experience of turbine based spirometers bringing to the market **SpiroConnect** - a vertical turbine spirometer that delivers precision spirometry with unrivalled low-flow sensitivity for diagnosis and monitoring of asthma and COPD.



## Specifications

Transducer Type	Bi-directional high sensitivity vertical turbine
Measurements	VC, FEV0.75, FEV1, FEV3, FEV6, FVC, PEF, FEF25 (MEF75), FEF50 (MEF50), FEF75 (MEF25), FEF25-75 (MMEF), FIV1, FIVC, PIF, FIF25 (MIF75), FIF50 (MIF50), FIF75 (MIF25), MET25-75, FET, EVC, IVC, IC, VT (TV), Ti, Te, IRV, ERV, V <sub>ext</sub> , FEV0.75/VC, FEV0.75/FVC, FEV1/VC, FEV1/FVC, (FER), FEV3/VC, FEV3/FVC, FEV0.75/FEV6, FEV1/FEV6, FEF50/VC, FEF50/FVC, MMEF/FVC (FEF25-75/FVC), FIV1/FIVC (FIR), R50 (FEF50/FIF50), Ti/T <sub>tot</sub> , VT/Ti (TV/Ti)
Accuracy	To ATS recommendations, Standardisation of Spirometry 2004 Update for flows and volumes
Sensitivity	Better than 0.025l/s
Power Supply	2 x AA size Alkaline primary cells
Operating current	120 mA peak
Battery life	Alkaline cells, greater than 500 measurement cycles
Dimensions	55mm (W) x 100mm (D) x 110mm (H)
Weight	200g (including batteries)
Operating Conditions	0°C to 40°C, 15% to 95% RH, non-condensing
Transport and Storage Conditions	-20°C to 70°C, 15% to 95% RH, non-condensing
Lifetime	5 years
Flow Range	0- 15l/s
Volume Range	0 to 8l
PC Software Requirements	PC running 32 or 64 bit Windows XP, Vista, Windows 7, Windows 8 or later (Desktop versions only) 1 GHz processor 100Mb free disk space 1024 x 768 screen resolution USB 2.0 port



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