

Spirobank II

SMART

BASIC

ADVANCED

ADVANCED PLUS

Technical specifications



SPIROBANKII_ENG_201412.indd

Display	160x80 pixel	160x80 pixel	160x80 pixel	160x80 pixel
Power supply	3.7 V, 110 mA lithium battery USB rechargeable	3.7 V, 110 mA lithium battery USB rechargeable	3.7 V, 110 mA lithium battery USB rechargeable	3.7 V, 110 mA lithium battery USB rechargeable
Keypad	6-key membrane keyboard	6-key membrane keyboard	6-key membrane keyboard	6-key membrane keyboard
Data transmission	USB and Bluetooth® Smart	USB	USB and Bluetooth® 2.1	USB and Bluetooth® 2.1
Dimensions device	160x55x25 mm	160x55x25 mm	160x55x25 mm	160x55x25 mm
Device weight (with battery)	145 g	140 g	145 g	145 g
Flow measurement	± 16 L/s	± 16 L/s	± 16 L/s	± 16 L/s
Volume accuracy	± 3% or 50 mL	± 3% or 50 mL	± 3% or 50 mL	± 3% or 50 mL
Flow accuracy	± 5% or 200 mL/s	± 5% or 200 mL/s	± 5% or 200 mL/s	± 5% or 200 mL/s
Temperature sensor	semiconductor (0-45°C), automatic BTPS conversion	semiconductor (0-45°C), automatic BTPS conversion	semiconductor (0-45°C), automatic BTPS conversion	semiconductor (0-45°C), automatic BTPS conversion
SpO2 measurement	Optional 0-99%	Not available	Optional 0-99%	0-99%
SpO2 accuracy	Optional ± 2% between 70-99 %SpO2	Not available	Optional ± 2% between 70-99 %SpO2	± 2% between 70-99 %SpO2
Pulse rate measurement	Optional 18-300 BPM	Not available	Optional 18-300 BPM	18-300 BPM
Pulse rate accuracy	Optional ± 2 BPM or 2% whichever is greater	Not available	Optional ± 2 BPM or 2% whichever is greater	± 2 BPM or 2% whichever is greater
Configurable alarms ON-OFF	Optional SpO2 and pulse rate Min-Max, finger/sensor inserted, battery out of energy	Not available	Optional SpO2 and pulse rate Min-Max, finger/sensor inserted, battery out of energy	SpO2 and pulse rate Min-Max, finger/sensor inserted, battery out of energy
Main spirometry parameters	Using iPad software FVC, FEV1, FEV1/FVC%, PEF, FEF25-75	FVC, VC, IVC, IC, ERV, FEV1, FEV1%, PEF, FEF 25-75, FET, EVOL	FVC, VC, IVC, IC, ERV, FEV1, FEV1%, PEF, FEF 25-75, FET, EVOL	FVC, VC, IVC, IC, ERV, FEV1, FEV1%, PEF, FEF 25-75, FET, EVOL
Additional spirometry parameters	Using PC Software via USB FVC, FEV1, FEV1/FVC, FEV1/VC, PEF, FEF25, FEF50, FEF75, FEF25-75, FEF75-85, Lung Age, Extrap. Volume, FET, Time to PEF, FEV0.5, FEV0.5/FVC, FEV0.75, FEV0.75/FVC, FEV2, FEV2/FVC, FEV3, FEV3/FVC, FEV6, FEV1/FEV6, FVC, FIV1, FIV1/FVC, PIF, FIF25, FIF50, FIF75, FEF50/FIF50, VC, IVC, IC, ERV, IRV, RI, VE, VT, ti, te, VT/ti, tE/TOT, MVV (measured), MVV (calculated)	Not available	FEV1/FVC%, DTPER, FEV 0.5, FEV0.5/FVC%, FEV0.75, FEV0.75/FVC%, FEV2, FEV2/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, FEF25%, FEF50%, FEF75%, FEF 75-85, FVC, FIV1, FIV1/FVC%, FIF25%, FIF50%, FIF75%, R50, PIF, IRV, VT, VE), Ri, ti, te, ti/t-tot, VT/ti, MVV measured, MVV calculated	FEV1/FVC%, DTPER, FEV 0.5, FEV0.5/FVC%, FEV0.75, FEV0.75/FVC%, FEV2, FEV2/FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, FEF25%, FEF50%, FEF75%, FEF 75-85, FVC, FIV1, FIV1/FVC%, FIF25%, FIF50%, FIF75%, R50, PIF, IRV, VT, VE, Ri, ti, te, ti/t-tot, VT/ti, MVV measured, MVV calculated
Oximetry tests	Optional %SpO2 and Pulse Rate (Min, Max, Average)	Not available	Optional: SpO2, Min/Max/Avg, pulse rate, rest duration, T90% (SpO2 time ≤ 89%), T89% (SpO2 time ≤ 88%), total SpO2 events, T40 (bradycardia duration with pulse rate < 40 BPM), T120 (tachycardia duration with pulse rate > 120 BPM)	SpO2, Min/Max/Avg, pulse rate, rest duration, T90% (SpO2 time ≤ 89%), T89% (SpO2 time ≤ 88%), total SpO2 events, T40 (bradycardia duration with pulse rate < 40 BPM), T120 (tachycardia duration with pulse rate > 120 BPM)

	Smart	Basic	Advanced	Advanced Plus		Smart	Basic	Advanced	Advanced Plus
iPad software					POST Bronchodilator test				
PC software					Bluetooth Smart				
High-resolution display					Bluetooth 2.1				
Traffic light indicator					Oximeter				
Main parameters					Battery charger				
Additional parameters	*								

standard
 unavailable
 optional
 * Available only using PC software



Alliance Tech Medical, Inc.
PO Box 6024
Granbury, TX 76049
800-848-8923 www.alliancetekmedical.com