

Spirometry Options

Comparison Matrix - General Features

	NAME	SPIROLAB	SPIROBANK II BASIC	SPIROBANK II ADVANCED	SPIROBANK II SMART	MINISPIR LIGHT	MINISPIR	SPIRODOC
	Picture							
	Dimensions	8.6 x 8.3 x 2" (220x210x51 mm)	6 x 2 x 1" (160x55x25 mm)	6 x 2 x 1" (160x55x25 mm)	6 x 2 x 1" (160x55x25 mm)	5.5 x 1.9 x 1" (142x49.7x26 mm)	5.5 x 1.9 x 1" (142x49.7x26 mm)	4.2 x 2.4 x 1.0" (101x48x16 mm)
	Display	7"	2.5"	2.5"	2.5"	Not Required	Not Required	3"
	Weight	51 Oz (1450 g)	5 Oz (140 g)	5 Oz (145 g)	5 Oz (145 g)	2.2 Oz (65 g)	2.2 Oz (65 g)	4.0 Oz (116 g)
	Carrying Case	Included	Canvas Pouch	Canvas Pouch	Canvas Pouch	No	Canvas Pouch	Canvas Pouch
	Device Type	Desktop	Pocket Size	Pocket Size	Pocket Size	PC Based	PC Based	Pocket Size
	Real Time PC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Real Time Tablet	No	No	No	Yes	No	No	No
	Power Supply	Rechargeable battery	Rechargeable battery	Rechargeable battery	Rechargeable battery	USB Socket of PC	USB Socket of PC	Rechargeable battery
	Battery Charger	Included	Not Included	Not Included	Not Included	Not Required	Not Required	Not Included
	Thermal Printer	Internal	No	No	No	No	No	No
	Connectivity	USB, Bluetooth 2.0	USB	USB, Bluetooth 2.0	USB, Bluetooth 4.0	USB	USB	USB, Bluetooth 2.0
	USB to Printer	Yes	No	No	No	No	No	No
	POST BD	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Memory Spiro	10,000 tests	10,000 tests	10,000 tests	10,000 tests	Uses PC Memory	Uses PC Memory	10,000 tests
	Pulse-Oximetry	Optional	No	Optional	Optional	No	No	Optional
	Sensor Type	Turbine	Turbine	Turbine	Turbine	Turbine	Turbine	Turbine
	Disposable Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Reusable Sensor	Yes	Yes	Yes	Yes	No	Yes	Yes
	Software Name Always Included	WinspiroPRO	WinspiroPRO	WinspiroPRO	WinspiroPRO	Winspiro Light	WinspiroPRO	WinspiroPRO
	USB to PC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Bluetooth to PC	Yes	No	Yes	No only to tablet	No	No	Yes
	Network Version	Optional	Optional	Optional	Optional	No	Optional	Optional

MIR products comply with the latest ATS/ERS standardization of spirometry (September 2019 update), Volume accuracy $\pm 2.5\%$ or 50 ml

Spirometry Options

Comparison Matrix - Spirometry Parameters

Name	SPIROLAB	SPIROBANK II BASIC	SPIROBANK II ADVANCED	SPIROBANK II SMART	MINISPIR LIGHT	MINISPIR	SPIRODOC
Picture							
Parameters List Spiro	FVC, FEV1, FEV1/ FVC, FEV1/VC, PEF, FEF25, FEF50, FEF75, FEF25-75, FEF75-85, Lung Age, Extrapolated Volume, FET, Time to PEF, FEV0.5, FEV0.5/FVC, FEV0.75, FEV0.75/ FVC, FEV2, FEV2/ FVC, FEV3, FEV3/ FVC, FEV6, FEV1/ FEV6, FEV1/PEF, FEV1/FEV0.5, FIVC, FIV1, FIV1/ FIVC, PIF, FIF25, FIF50, FIF75, FEF50/FIF50, VC, IVC, IC, ERV, IRV, Rf, VE, VT, ti, tE, VT/ti, tE/tTOT, MVV (measured), MVV (calculated)	FVC, FEV1, FEV1%, PEF, FEF25-75, FET, Extrap. Volume, Lung Age, VC, IVC, IC, ERV	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, FIVC, FIV1, FIV1/FIVC, PIF, FIF25, FIF50, FIF75, FEF50/ FIF50, VC, IVC, IC, ERV, IRV, Rf, VE, VT, ti, tE, VT/ ti, tE/tTOT, MVV (measured), MVV (calculated)	FVC, FEV1, FEV1%, FEV6, PEF, FEF25- 75%, FIVC, Lung Age, VC, IVC	No	No	FVC, FEV1, FEV1/ FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25%-75%, FET, Estimated Lung Age, Extr. Vol., FIVC, FIV1, FIV1/ FIVC%, PIF, VC, IVC, IC, ERV, FEV1/ VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ ti, MVV measured, MVV (calculated)
E-diary	No	No	No	No	No	No	Yes
Parameters List Spiro	FVC, FEV1, FEV1/ FVC, FEV1/VC, PEF, FEF25, FEF50, FEF75, FEF25-75, FEF75-85, Lung Age, Extrapolated Volume, FET, Time to PEF, FEV0.5, FEV0.5/FVC, FEV0.75, FEV0.75/ FVC, FEV2, FEV2/ FVC, FEV3, FEV3/ FVC, FEV6, FEV1/ FEV6, FEV1/PEF, FEV1/FEV0.5, FIVC, FIV1, FIV1/ FIVC, PIF, FIF25, FIF50, FIF75,	FVC, FEV1, FEV1%, PEF, FEF25-75, FET, Extrap. Volume, Lung Age, VC, IVC, IC, ERV	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, FIVC, FIV1, FIV1/FIVC, PIF, FIF25, FIF50, FIF75, FEF50/ FIF50, VC, IVC, IC, ERV, IRV, Rf, VE, VT, ti, tE, VT/ti, tE/tTOT, MVV (measured), MVV (calculated)	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, FIVC, FIV1, FIV1/FIVC, PIF, FIF25, FIF50, FIF75, FEF50/ FIF50, VC, IVC, IC, ERV, IRV, Rf, VE, VT, ti, tE, VT/ti, tE/tTOT, MVV (measured), MVV (calculated)	FVC, FEV1, FEV1%, FEV6, PEF, FEF25-75, FIVC, Lung Age, VC, IVC	FVC, FEV1, FEV1/FVC, FEV1/VC, PEF, FEF25, FEF50, FEF75, FEF25-75, Lung Age, Extrap. Volume, FET, FEV3, FEV3/FVC, FEV6, FEV1/FEV6, FIVC, FIV1, FIV1/FIVC, PIF, VC, IVC, IC, ERV, Rf, VE, VT, ti, tE, VT/ti, tE/tTOT, MVV	FVC, FEV1, FEV1/ FVC%, FEV3, FEV3/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25%-75%, FET, Estimated Lung Age, Extr. Vol., FIVC, FIV1, FIV1/ FIVC%, PIF, VC, IVC, IC, ERV, FEV1/ VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ ti, MVV measured, MVV (calculated)
Parameters List Spiro	No	No	No	FVC, FEV1, FEV1%, PEF, FEF25-75, FET, ELA, IVC, EVC	No	No	No
Upgradable	Free Lifelong	Free Lifelong	Free Lifelong	Free Lifelong	Free Lifelong	Free Lifelong	Free Lifelong

MIR products comply with the latest ATS/ERS standardization of spirometry (September 2019 update), Volume accuracy $\pm 2.5\%$ or 50 ml

Spirometry Options

Comparison Matrix - Oximetry Parameters (Option)

OXIMETRY

Name	SPIROLAB	SPIROBANK II BASIC	SPIROBANK II ADVANCED	SPIROBANK II SMART	MINISPIR LIGHT	MINISPIR	SPIRODOC
Picture							
Spot Test	Yes	No	Yes	Yes	No	No	Yes
Spot Test Param	SpO2 [Baseline, Min, Max, Mean], Pulse Rate [Baseline, Min, Max, Mean], T90, T89, T88, T5, Index [12s], SpO2 Events, Pulse Rate Events [Bradycardia, Tachycardia]	No	SpO2 [Baseline, Min, Max, Mean], Pulse Rate [Baseline, Min, Max, Mean], T90, T89, T88, T5, Index [12s], SpO2 Events, Pulse Rate Events [Bradycardia, Tachycardia]	SpO2 [Baseline, Min, Max, Mean], Pulse Rate [Baseline, Min, Max, Mean]	No	No	SpO2 [Baseline, Min, Max, Mean], Pulse Rate [Baseline, Min, Max, Mean], T90, T89, T88, T5, Index [12s], SpO2 Events, Pulse Rate Events [Bradycardia, Tachycardia]
Walk Test	No	No	-	-	No	No	Yes
Walk Test Param.	-	No	-	-	No	No	O2-Gap, Estimated distance, Distance walked, Predicted distance [Min, Standard], TΔ2% [SpO2≥2%], TΔ4% [ΔSpO2≥4%], Time [Rest, Walking, Recovery], Desaturation Area/Distance Optional data entry: Borg Dyspnea [Baseline, End, Change], Borg Fatigue [Baseline, End, Change], Arterial blood pressure [Systolic, Diastolic], Oxygen administered
Sleep Test	No	No	-	-	No	No	Yes
Sleep Test Param.	-	No	-	-	No	No	Body position, SpO2 Events, Desaturation index (ODI), Desaturation [Mean Value, Mean duration, Longest duration, Nadir Peak], ΔSpO2 [Min Drop, Max Drop], Total Pulse Variations, Pulse Rate Index, NOD89% [SpO2<89%; >5min], NOD4% [SpO2 Basale-4%; >5min], NOD90% [SpO2<90%; Nadir<86%; >5min]
Memory Pulse-Ox	900 Hours Pulse-Oximetry	No	900 Hours Pulse-Oximetry	900 Hours Pulse-Oximetry	No	No	900 Hours Pulse-Oximetry

MIR products comply with the latest ATS/ERS standardization of spirometry (September 2019 update), Volume accuracy $\pm 2,5\%$ or 50 ml

Spirometry Options

Comparison Matrix - Spirobank Smart and Smart One

	Name	SPIROBANK OXI	SPIROBANK SMART	SMART ONE	SMART ONE OXI
	Picture				
DEVICE	Dimensions	1,93x4,29x082" (49x109x21 mm)	1,93x4,29x082" (49x109x21 mm)	1,93x4,29x082" (49x109x21 mm)	1,93x4,29x082" (49x109x21 mm)
	Display	No	No	No	No
	Weight	2,14 Oz (60.7 g)	2,14 Oz (60.7 g)	2,14 Oz (60.7 g)	2,14 Oz (60.7 g)
	Carrying Case	N/A	N/A	N/A	
	Device Type	Smart	Smart	Personal Smart	Personal Smart
	Real Time PC	No	No	No	No
	Real Time Smart Phone	Yes	Yes	Yes	Yes
	Power Supply	2 batteries AAA 1,5V	2 batteries AAA 1,5V	2 batteries AAA 1,5V	2 batteries AAA 1,5V
	Battery Charger	N/A	N/A	N/A	N/A
	Thermal Printer	No	No	No	No
	Connectivity	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0
	Memory on Device	No	No	No	No
	Pulse- Oximetry	No	No	No	Yes
SENSOR	Sensor Type	Turbine	Turbine	Turbine	Turbine
	Disposable	Yes	Yes	No	No
	Reusable	Yes	Yes	Yes	Yes
	Oxi	No	No	No	Touch Reflective
APP	App Name	MIR Spirobank	MIR Spirobank, iSpirometry	MIR Smart One	Mir Smart One
	Android	Yes	Yes	Yes	Yes
	iOs	Yes	Yes	Yes	Yes
	Memory Spiro on App	No	No	Yes	Yes
	Memory Oxi on App	No	No	No	Yes
	BT to Printer	Yes	Yes	Yes	Yes
PARAMETERS	Parameters Spiro	PEF, FEV1, FVC, FEV1/FVC, FEF2575, FEF6, VEXT, DTPEF, FEF75, FEF25, FEF50	PEF, FEV1, FVC, FEV1/FVC, FEF2575, FEF6, VEXT, DTPEF, FEF75, FEF25, FEF50	PEF, FEV1	PEF, FEV1
	Parameters Oxi	SpO2 (%), Pulse (BPM) Plethysmographic curve	No	No	SpO2 (%), Pulse (BPM) Plethysmographic curve
	Symptoms scoring	Yes	Yes	Yes	Yes

MIR products comply with the latest ATS/ERS standardization of spirometry (September 2019 update), Volume accuracy $\pm 2,5\%$ or 50 ml