


# Spirotrac 6 Software

Consolidate both Spirometry and ECG through a single, flexible, and powerful software solution

## Technical Specifications

<b>Product</b>	Vitalograph Spirotrac® 6
<b>Model</b>	7000
<b>Performance standards</b>	ATS/ERS 2019, ISO 23747:2015 & ISO 26782:2009
<b>QA/GMP standards</b>	EN ISO 13485, FDA 21 CFR 820 (QMSR), SOR/98-282, Japan's PMD Act
<b>Minimum PC System Requirements</b>	<p>Processor Speed: 2GHz or greater RAM: 2GB (Minimum), 8GB (Recommended) Disk Space: 1GB or greater Monitor: 1280 x 800 pixels minimum, higher recommended. Other:</p> <ul style="list-style-type: none"><li>• USB Port for Pneumotrac or other compatible devices</li><li>• Bluetooth support for Norav ECG</li><li>• Mouse</li><li>• 1 x ethernet port minimum for connection to Vitalograph Tremoflo C-100 device to perform Oscillometry</li><li>• .Net framework 4.8</li><li>• If the .NET Framework version 4.8 is not already installed, this will require an additional 4.5GB of hard disk space. If SQL Server Express is not already installed, this will require an additional 6GB of hard disk space.</li><li>• Supplied with SQL Server 2025 Express</li></ul>
<b>Operating Systems Supported</b>	Windows 10, Windows 11
<b>Test Types Supported</b>	<ul style="list-style-type: none"><li>• Spirometry: Single breath testing, multi-breath testing. VC, Post VC, FVC, Post FVC, PCF</li><li>• ECG: 12 lead 10 second trace</li><li>• Respiratory Muscle testing: MIP, MEP, SNIP, MVV</li><li>• Challenge Testing</li><li>• Oscillometry</li><li>• FeNO</li></ul>
<b>Devices Supported</b>	<ul style="list-style-type: none"><li>• Spirometry: Pneumotrac</li><li>• Respiratory Muscle Strength: Pneumotrac with RMS</li><li>• ECG: NR 1207 ECG</li></ul>

## Technical Specifications (continued)

<b>FVC Parameters</b>	FVC, FEV <sub>1</sub> , FEV <sub>1</sub> /VC, FEV <sub>1</sub> /FVC, FET, PEF, FEF <sub>25-75</sub> , FEV <sub>6</sub> , FEV <sub>1</sub> /FEV <sub>6</sub> , FEV <sub>1</sub> Ratio, FEV <sub>1</sub> Q, PEF(L/s), PEF(L/min), FIVC, PIF(L/s), PIF(L/min), TV, IRV, ERV, IC, FEV <sub>3</sub> , FEV <sub>0.5</sub> , FEV <sub>0.75</sub> , FEV <sub>0.5</sub> /FVC, FEV <sub>0.75</sub> /FVC, FEV <sub>3</sub> /FVC, FEV <sub>6</sub> /FVC, FEF <sub>0.2-1.2</sub> , FEF <sub>25-75</sub> /FVC, FEF <sub>75-85</sub> , FIVC/FVC, FEF <sub>25</sub> , FEF <sub>50</sub> , FEF <sub>75</sub> , FIF <sub>25</sub> , FIF <sub>50</sub> , FIF <sub>75</sub> , FEV <sub>1</sub> /PEF, FIF <sub>50</sub> /FEV <sub>1</sub> , FEV <sub>1</sub> /FIVC, FEV <sub>1</sub> /IVC, FIV <sub>1</sub> /FIVC, FIV <sub>1</sub> /FVC, FEF <sub>50</sub> /FIF <sub>50</sub> , MVVind, BEV/FVC, EOTV, FMFT, IVC, FEFmax, FEV <sub>1</sub> /HT2, RAWind, FEV <sub>3</sub> /VC, TLC, RV, FRC, BEV, TExt, TPef, tRISE, tHES, Lung Age
<b>VC Parameters</b>	VC, EVC, IVC, TV, IC, ERV, TLC, RV, FRC
<b>Predicted Values Selectable</b>	GLI, ERS/ECCS; NHANES, GLI-RACE NUETRAL (GLI GLOBAL 2022)
<b>Spirometry Incentives</b>	Big Bad Wolf, Candles, Ball and Tube
<b>Spirometry Interpretation</b>	GOLD 2019 ATS/ERS 2005 interpretation, ATS/ERS 2021
<b>Spirometry Reports</b>	Report templates based on ATS 2017 Standardised Reports with multiple configuration such as logo, title, header, Best1 Test, Best3 Test, All Tests options
<b>RMS Parameters</b>	MIP, PIP, MEP, PEP, SNIP
<b>ECG Parameters</b>	HR, RR, ST, PR, PQ, QT, P, QRS, QTcH, QTcB, QTcF, QTcFra, P Axis, QRS Axis, T Axis
<b>MVV Parameters:</b>	MVV Time(s) , MVV L/min , VT (L), RR (B/min), VT/VC
<b>FeNO Parameters:</b>	FeNo (ppb)
<b>ECG Interpretation</b>	Glasgow Algorithm  University of Glasgow
<b>ECG Reports</b>	3 x 4, 6 x 2, 12 x 1, Medians, Average
<b>Oscillometry Parameters</b>	R5, R7, R5-20, R7-20, AX, VT
<b>Database Engine</b>	Supplied with SQL Server 2025 Express. Compatible with Microsoft SQL Server 2014 and above
<b>Database Options</b>	Local SQL Server Database or Network SQL Server Database. Database backup on lock, logoff or shutdown
<b>Database Migration/Import Options</b>	Database Migration from Spirotrac 5
<b>Security Options</b>	User Management, User logon with password complexity, User Inactivity lock timeout, Audit Annotation, PII Data encrypted
<b>Audit Trail</b>	Full audit log of all activities date/time stamped by user
<b>EMR Connectivity</b>	HL7, CDA(xml), FHIR (Json), GDT, EMIS WEB (England), via Vitalograph Connect
<b>Trending Options</b>	Max 4 parameters over selected date range
<b>Device Classification</b>	Class II (USA) / IIa (EU) medical device

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