

Midmark Digital Spirometer v. 11.0

TECHNICAL SPECIFICATIONS

Features	
Graphics	Real-time graphics – Flow-Volume, Volume-Time
Reports	Full size 8.5 x 11 inches, customizable and preprogrammed.
Predicted Equations	Adult: Crapo (Crapo/Knudson compilation, aka ITS, ATS), Knudson (1976 + 1983 compilation), European Community for Coal and Steel (ECCS) (1993), NHANES III (aka NLHEP, Hankinson), Morris, Roca, GLI-2012 Pediatric: Wang (1993), Knudson (1976 + 1983 compilation), Polgar (1971), Hsu, NHANES III, Zapletal, Eigen, GLI-2012
Interpretation	NHANES III (NLHEP); ATS
COPD	GOLD (2017), Tecumseh Index
Patient Incentive Screens	Candles, Dandelions, Trees, Leaves and Monkeys, Boat Races, Thermometer
Connection	USB
EHR/EMR	Field-proven, seamless integration with more than 80 EHR/EMR
Spirometry Measurement Principle	Fleisch Pneumotach – differential pressure reading of flow with a DM Volume determined by flow integration
Measuring Ranges	• +/- 14 L/s – Flow • +/- 8 L – Volume
Operating Conditions	• Temperature: 50°F to 104°F (10°C to 40°C) • Relative Humidity (Non-Condensing): 15% to 90% • Atmospheric Pressure: -500 to 10,000 ft (-152 m to 3,048 m)
Storage Conditions	• Temperature: -4°F to 122°F (-20°C to 50°C) • Relative Humidity (Non-Condensing): 15% to 95% • Atmospheric Pressure: -500 to 16,000 ft (-152 m to 4,876 m)
Analysis + Measurement	• Automatic Back Extrapolation calculation • Automatic Spirometry Parameter calculation • Automatic comparison to published Spirometry Predicted Equations (Reference Values) • Automatic interpretation of test results
Parameters Measured	FVC, FEV0.5, FEV1, FEV3, FEV6, FEV1/FVC, FEV3/FVC, FEV1/FEV6, FEV25%, FEV50%, FEV75%, FEV25-75%, FEV75-85%, FEV200-1,200, FEV0.5/FIV0.5, PEF, FIVC, FIV0.5, FIF50%, PIF, Exp Time, V ext, MVV, MTV, RR, AT, AT%, VC, ERV, IRV, TV
Patient Contact	Single-use, disposable mouthpiece (Pneumotach)
Warranty	One (1) year
Physical Characteristics	
Dimensions	7.75" x 2.5" x 1.75" (197 x 64 x 44 mm)
Weight	9 oz
Calibration	3-liter syringe
Power	USB port

For additional product information, contact Midmark Corporation at 1.844.856.1230, option 2.
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