

AirWatch



- **FDA OTC Cleared Class II Device for monitoring Asthma and COPD**
- **Measures and Records PEF and FEV-1**
- **Stores 480 Tests**
- **Uploads Using a Standard Phone Line**
- **Zone Display - Green/Yellow/Red**
- **Compares Against Personal Best**
- **Tracks Medication Usage**

The **AirWatch**[®] respiratory monitor enables objective analysis of lung function (PEF and FEV 1). When used in conjunction with **MediCompas**[®], the uploaded data can be enhanced by entering triggers, signs and symptoms, and a medication history. This data creates a comprehensive set of reports and graphs that can be used to analyze the patient's condition, improve compliance to the treatment regimen, and encourage persistence in medication use.

AirWatch Performance Specifications

	Peak Expiratory Flow	Forced Expiratory Volume in 1 Second					
Range	50 to 875 liters per minute (L/min)	0.5 to 8.0 liters (L)					
Accuracy ¹	Greater of +/- 10% or +/- 20 L/min	Greater of +/- 5% or +/- 0.100 L					
Precision ¹							
Intra-Device	Greater of ≤ 5% or +/- 10 L/min	Greater of +/- 3% or +/- 0.05 L					
Inter-Device	Greater of ≤ 10% or +/- 20 L/min	Greater of +/- 11% or +/- 0.200 L					
Linearity ¹	Within 5% over the range	Within 3% over the range					
Test Waveform ¹	26 standard Time-Flow Waveforms	24 standard Volume-Time Waveforms					
Back Pressure ¹	< 2,5 cm H ₂ O/L/s flows 0 to 14 L/s	< 2,5 cm H ₂ O/L/s flows 0 to 14 L/s					
Freq. Response ¹	Flat (+/-5%) at 450 L/min to 12 Hz	N/A					
Operating Specifications							
Operating Temperature Range	0,5° to 40° C or 41° to 104° F						
Storage Temperature	-20° to 60° C or -4° to 140° F						
Operating Humidity	0% to 95%, noncondensing						
Weight	3,3 ounces						
Dimensions	4.0 inches long by 2.56 inches wide by 0.93 inches deep						
Battery Type	Two Type CR2032 3-volt lithium batteries						
Battery Life	Approximately one year (with an average daily usage level of 3 test sessions per day)						
Automatic Turn-Off Period	30 to 90 seconds, depending on display mode						
Test Session Memory Capacity	480 test sessions (maximum)						
Memory Life with Batteries Removed or While Battery Drawer Is Open	2 minutes (minimum)						
Telephone Connector	Type RJ-11C (the conventional household telephone jack)						
Altitude Adjustment Table							
Altitude Above Sea Level (feet)	0	1000	2000	3000	4000	5000	6000
Adjustment Factor (PEF)	1.000	1.017	1.034	1.050	1.067	1.084	1.101

1. American Thoracic Society: Standardization of Spirometry 1994 Update, American Review of Respiratory Disease, 1987;130:1296-2009.

MediCompass[®] Plus AirWatch

- Online HIPAA Compliant Patient Registry
- Patient and Professional Views
- Longitudinal Patient Record
- Exception Reporting with Alerts
- Variance Reporting
- Objective Outcome Measures
- Remote Respiratory Monitoring
- Compliance Behavior Insights

"It is the opinion of the Expert Panel that peak flow monitoring for patients with...persistent asthma should be considered because it may enhance clinician-patient communication and may increase patient and caregiver awareness of the disease status and control."

- National Asthma Education Program Guidelines for the Diagnosis and Management of Asthma

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