

PerformanceMaximizer™ and SmartStick™ Technology

Specification Sheet



PerformanceMaximizer™:

A comprehensive patient management system that allows for the easy download and reporting of data using SmartStick™ USB Technology.

The reporting function provides:

- Compliance data from first use
- Summarized efficacy data for any 30-day period
- Detailed efficacy data for any 7-day period
- Ability to print, save and email reports

PerformanceMaximizer™

PerformanceMaximizer™ is the performance monitoring software for use with the SleepStyle™ CPAP range with SmartStick™ Technology (242, 244, 254).



SMARTSTICK™ TECHNOLOGY

The SmartStick™ is a form of removable media unique to Fisher & Paykel Healthcare, utilizing USB technology. No additional cables or card readers are necessary.

The two-way communication between PerformanceMaximizer™ and the SmartStick™ allows the clinician to remotely access patient efficacy data as well as adjust the device settings. Changes saved to the SmartStick™ will automatically transfer to the device when the SmartStick™ is re-inserted into the device by the patient. Data is stored on both the device and the SmartStick™ for uninterrupted recording of sleep data.

PerformanceMaximizer™ offers detailed reporting on therapy effectiveness, including compliance, AHI, leak and pressure.

PERFORMANCEMAXIMIZER™ REPORTS OVERVIEW

Report Sections	Features	SleepStyle™ CPAP Models		
		Fixed		Auto
		242*	244*	254
Summary Data	Compliance Statistics	•	•	•
	Efficacy Statistics		•	•
	SensAwake™ Statistics			•
	Compliance Metric	•	•	•
Treatment Profile Summary	A AHI Profile		•	•
	B Pressure Profile	•	•	•
	C System Leak Profile		•	•
	D Usage and Humidity Profile	•	•	•
Detailed Profile (7 day)	E SensAwake™ Statistics			•
	E Hypopnea Statistics		•	•
	E Apnea Statistics		•	•
	F Pressure Profile		•	•
	G System Leak Profile		•	•
	H Run Time		•	•
Treatment Table Summary	Compliance Data	•	•	•
	Efficacy Data		•	•



* Some models not available in all countries.

SECTION 1: SUMMARY DATA

Compliance Statistics		
25 Day Period	From First User	
Start / End Date	16/05/2008 - 16/05/2008	16/05/2008 - 16/05/2008
Total Days Device Used	26 days (100%)	26 days (100%)
Total Days Device Not Used	0 days (0%)	0 days (0%)
Days Device Used Greater than 4hrs	26 days (100%)	26 days (100%)
Average Used (Days Used)	8 hrs, 18 mins	8 hrs, 18 mins
Average Used (All Days)	8 hrs, 18 mins	8 hrs, 18 mins

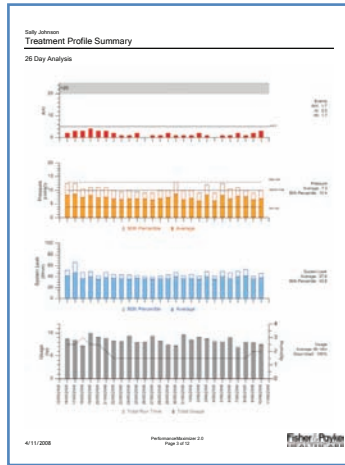
Efficacy Statistics		
AHI	1.7	
Average Apnea Length	72 s	
Average AutoCPAP Pressure	7.3 cmHg	
Average 95th Percentile Pressure	10.4 cmHg	
% Time at Maximum Set Pressure	1.1%	
Average System Leak	38 l/min	
Average 95th Percentile System Leak	49 l/min	
% Time With Excessive Leak	2.1%	

SensAwake™ Statistics		
Average Number of SensAwake Detections	5 per night	
% Time with SensAwake On	100%	

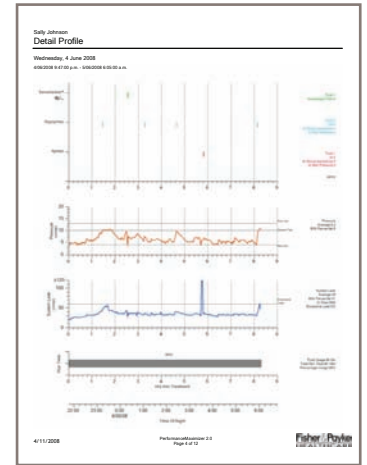
Compliance Metric		
Start / End Date	16/05/2008 - 16/05/2008	
All hrs usage in a 25 day window (0-25 days window)	26 days (100%) in a 25 day window	from 16/05/2008

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SECTION 2: TREATMENT PROFILE SUMMARY



SECTION 3: DETAILED PROFILE



TREATMENT PROFILE SUMMARY
 The Treatment Profile Summary displays data for any 30 consecutive days and includes summarized information on usage and efficacy data.

DETAILED PROFILE
 The Detailed Profile displays comprehensive data for the last seven days within the selected 30-day date range. The information displayed depends on the CPAP model, but can include SensAwake™, hypopnea and apnea events, pressure, system leak and run time.

A The AHI is displayed for each night of the selected 30-day period. An effective treatment indicator of 5 is also shown on the report.

B The average and 90th percentile pressure values are displayed for each night. Prescription pressures are indicated by the horizontal black lines.

C The average and 90th percentile leak values are displayed for each night.

D CPAP usage and humidity setting are displayed for each night.

E SensAwake™ activations, hypopnea and apnea events are identified for each night. An AHI is also displayed.

F The Pressure Profile demonstrates the pressure variations throughout each night (including maximum, minimum and apnea cap pressures). Prescription pressures are indicated by the horizontal black lines.

G The System Leak Profile demonstrates the leak levels throughout each night. Excessive leak is measured as 60 L/min. Leaks above this level could indicate a poor mask fit.

H The usage profile shows the run time and mask-on time for each night. (The percentage of time the mask was on is identified above the run time bar.)



COMPLIANCE METRIC

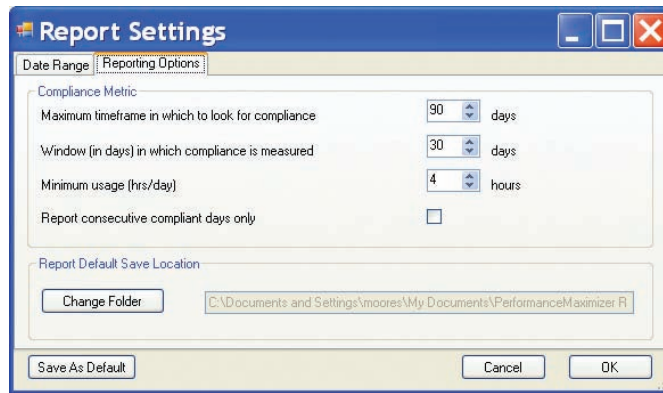
The Compliance Metric provides an automatic calculation of patient compliance, designed to meet the United States' CMS guidelines. The example below demonstrates 83% compliance within a 30-day window.

The Compliance Metric is displayed on the PerformanceMaximizer™ report.

Compliance Metric	
Start / End Date:	3/09/2008 - 10/11/2008
≥4 hrs usage in a 30-day window (in 69 days timeframe)	25 days (83% in a 30-day window) from 3/09/2008

PerformanceMaximizer™ also allows you to customize the Compliance Metric to determine any specific duration of compliant time within a desired time frame. The example below demonstrates the screen on PerformanceMaximizer™ where specific time frames can be selected.

The Report Settings window on PerformanceMaximizer™.



PERFORMANCEMAXIMIZER™ SOFTWARE ORDER CODE: 900HC615

FOR MORE INFORMATION, PLEASE CONTACT YOUR LOCAL FISHER & PAYKEL HEALTHCARE REPRESENTATIVE:

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