

# PerformanceMaximizer™ and SmartStick™ Technology

## Specification Sheet



### **PerformanceMaximizer™:**

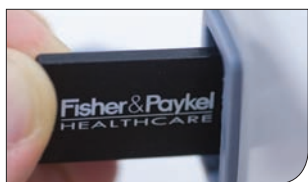
*A comprehensive patient management system that allows for the easy download and reporting of data using SmartStick™ USB Technology.*

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

Sally Johnson  
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 90th Percentile Pressure	10.4 cmHg
% Time at Maximum Set Pressure	1.5%
Average System Leak	38 l/min
Average 90th Percentile System Leak	49 l/min
% Time With Excessive Leak	2.5%

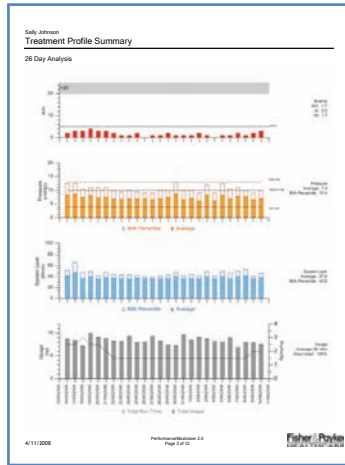
SensAwake™ Statistics	
Average Number of SensAwake Detections	5 per night
% Time with SensAwake On	100%

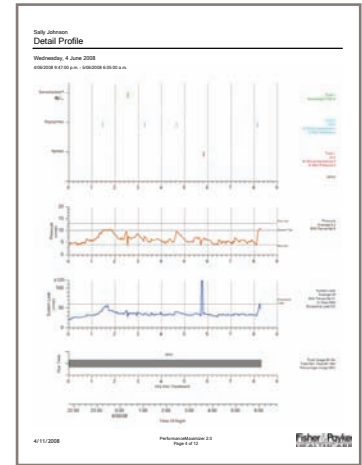
Compliance Metric	16/05/2008 - 16/05/2008	26 days (100%) in a 26-day window (0-25 days window)
All hrs usage in a 25-day window (0-25 days window)	26 days (100%) in a 26-day window	26 days (100%) in a 26-day window

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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 90<sup>th</sup> percentile pressure values are displayed for each night. Prescription pressures are indicated by the horizontal black lines.

**C** The average and 90<sup>th</sup> 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

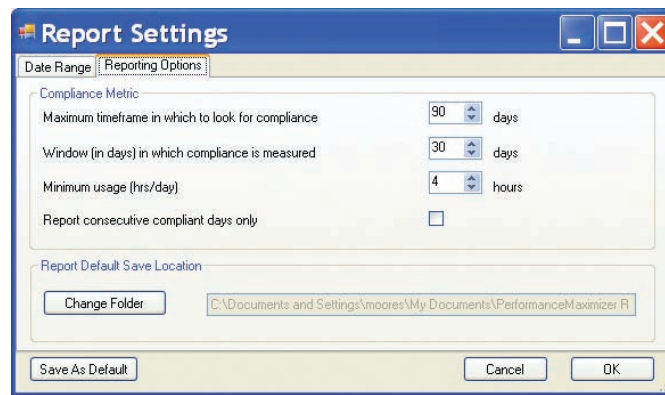
The Compliance Metric provides an automatic calculation of patient compliance, designed to meet the United States' CMS guidelines. The example below demonstrates 83% compliance within a 30-day window.

*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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