

Stowood's 'Grey Flash'*

The simple, efficient, home recorder for the diagnosis of OSAS and snoring

For the accurate diagnosis of sleep apnoea in the unattended situation it is important to have both sufficient physiological parameters, and a minimal number of simple sensor attachments. In the sleep lab, Visi-lab is the obvious choice, but what can you best use when you need to study the patient at home?



Our new **Grey Flash** - battery powered with **only 2 sensors**: an oximeter probe+ and oral/ nasal prongs, gives ALL of the following physiological signals.

Oximetry: SpO2 and Pulse Rate using an internal **Masimo** oximeter (reusable or disposable probes +) combined with:-

Nasal airflow by nasal pressure from oral/nasal prongs

Sound level from oral/nasal prongs or plug-in microphone

Plethysmography pulse profile showing autonomic arousals,

Actigraphy body movement *,

Body position*, Left, Right, Prone, Supine & Sitting Up

Patient event marking button *,

and the

Full audio sound recording, > 8 hours of sound - playable at the click of a mouse

It's particularly simple for the patient to attach himself/ herself; small, light, robust - with no power consumption when 'off' and battery independent Flash memory – designed for sending by post if required.

Use either alkaline or rechargeable batteries. Internal Flash memory and USB to download to your PC using Download-3 - the latest version of Download, our industry standard oximetry/ sleep software.

The complete package consists of a Grey Flash recorder with pouch, Velcro arm and chest belts, Download-3 software and the USB download cable.

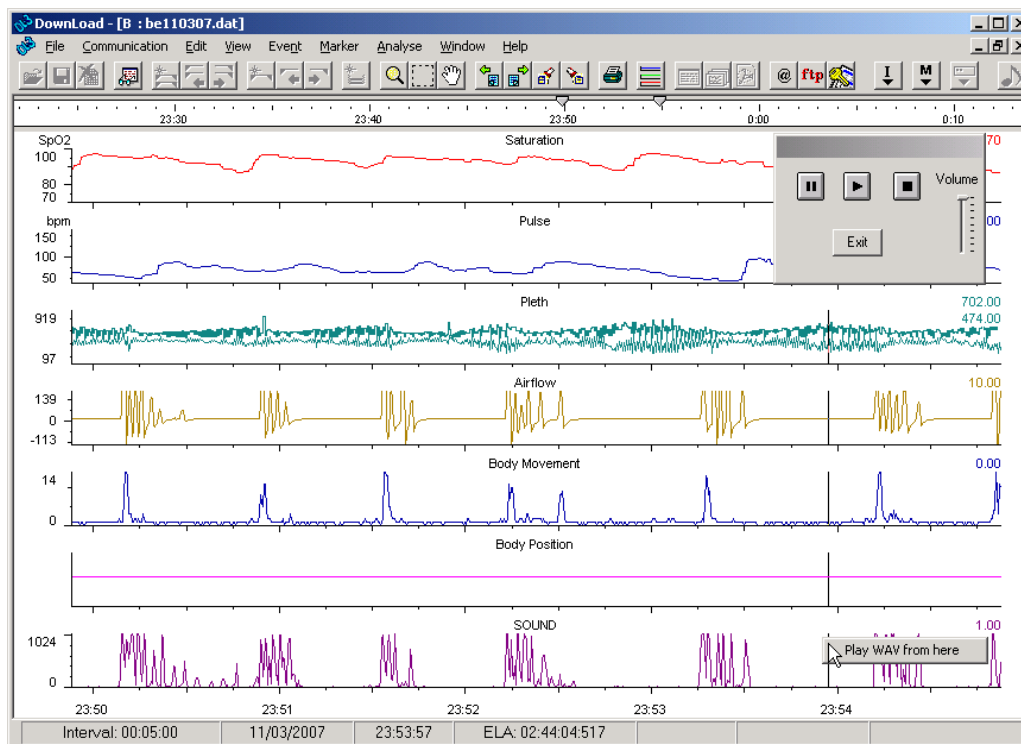
Optional: microphone for multi-night sound level recording calibrated in dB, and sound level calibrator

* built into the recorder: needs no separate transducer

+ see Masimo's large range of adult and paediatric oximeter sensors

* *Why 'Grey Flash'? it's grey, uses flash memory and is pretty nifty*

Example Download screen showing Grey Flash traces - cursor is used for playing audio .wav file



Where it fits in amongst other screening devices:

	Konica-Minolta 300i oximeter	ResMed Apnoea-Link	Stowood Grey Flash	Medcare/ Embla Embletta pda
<i>Approx. Cost</i>	< 450	< 1000	< 2000	< 5500
SpO2	✗	(✗)*	✗	✗
Pulse Rate	✗	(✗)*	✗	✗
Airflow		✗	✗	✗
Sound: Level only		✗	✗	✗
Sound: Full Audio			✗	
Body Position			✗	✗
Body Movement			✗	✗
Patient Event			✗	✗
Pleth. signal			✗	
Resp. Effort				2 x Ch Inductance belts
Leg EMG/ movement				(✗)+
ECG/ EEG				(✗)+
No. of sensors attached to patient	1	1/ (2)*	2	4/ (5/ 6) +

* Apnoea-Link: Only certain models have SpO2 & Pulse Rate + Embletta: Only certain models have Leg EMG/ ECG/ EEG

Specifications

Dimensions 115 x 80 x 25mm

Weight with batts 220gm approx

2 AA Alkaline or rechargeable Batteries. No power consumption when 'Off'.

Uses Oral/nasal or nasal disposable cannulae

Reusable or single use Masimo oximeter probes

Transfer to pc using USB A to Mini B cable (supplied)

Software: Download version 3.