

Download 2001

for Masimo and Linde monitors

ARTEMIS 

The use of pulse oximeters has rapidly increased over the last few years for the assessment of Obstructive Sleep Apnoea Syndrome (OSAS) and various other diagnoses.

Download 2001 follows Stowood Scientific's successful Download for Windows, which they have been supplying since 1997. Download 2001 data is stored and displayed on PC's running Windows operating systems.

Simplicity, economy and ease-of-use has made the Download programs the most widely used in Europe with more than 1000 installations since 1997.

Artemis Medical is able to supply versions of Download 2001 that are compatible with the Masimo range of pulse oximeters or the Linde Tosca $\text{tcCO}_2/\text{SpO}_2$ monitor.

Downloading is easy. After you have captured the data on the monitor it is a simple matter of plugging it in to the PC, double-clicking the Download 2001 icon, and then choosing the appropriate monitor icon to transfer the data to the PC.



Masimo
Rad-5



Linde Tosca



Masimo Radical

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Functionality

Display with Windows™ 95/98/NT4/2000/XP in SVGA screen resolutions (800 x 600, 1024 x 768, 1280 x 1024, etc) showing whole recording on one screen.

Ruler - gives the overall view of the recording.

Zoom, nudge, page or pan through the recording.

Cursors - show instantaneous values, right hand mouse button enables rapid axis redrawing, exclusion etc.

Time intervals and axes - both can be set graphically and digitally.

Montages - self-created for quick display changes. These are your favourite combinations of vertical axes, times, colours, trace order, etc. set up and named by you.

Export - data to spreadsheets (Excel, Quattro Pro etc. in ASCII or DIF format) and European Data Format*.

Import - from ASCII text and Cambridge Neurotechnology ACTIWATCH®

Mark periods for analysis or for exclusion from analysis.

Combine - into a single file the best parts of recordings.

Patient details - standard and configurable.

Events - display and edit detected and manually entered events.

Best compression method - set for particular parameter as the data is compressed and may otherwise lose useful information.

Analyse the saturation, pulse rate and CO₂ (and other parameters/events if recorded).

Select the periods to analyse, or to exclude by marking.

Calculate desaturation dips** and pulse rise peak counts.

Artefact and cutoff rejection, easily adjustable axes, user-set montages.

Plot cumulative and frequency graphs.

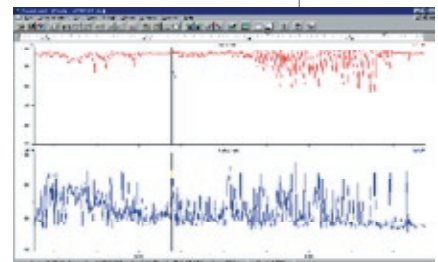
Plot 8hr/12hr/24hr page graphs for saturation, pulse rate and CO₂.

Show means, %'s of time below particular saturation levels, medians, modes, mean nadir, standard deviation etc.

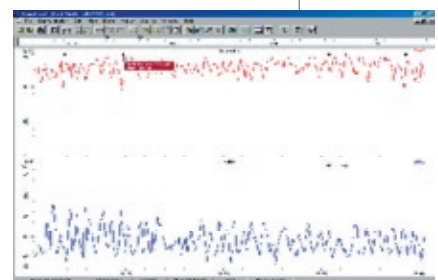
Print the traces and/or the analyses and plots in B&W or colour.

SpO₂ analyses include: mean, median, mode, 5th/ 95th %iles, dip rates (3 levels) Delta Index, Rapid Resaturation & Desaturation Indices, SpO₂ minima, time below xx%.

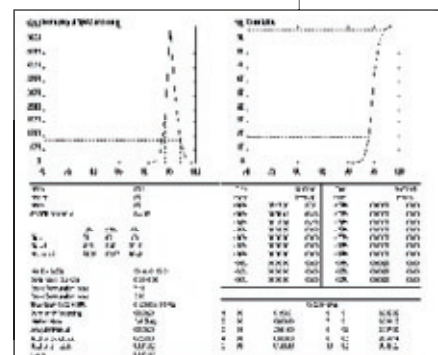
Pulse Rate Analyses: mean, median, mode, SD, pulse rate rises (3 levels), minima, maxima.



Full Study



Zoomed in



Typical analysis

* Ref: Kemp et al. 1992, A simple format for exchange of digitised polygraphic recordings, *Electroencephalography and Clin Neurophysiology* 82 (1992) 391-393

** Ref: Stradling J. R. & Crosby J. *BMJ* 1990 300 75-78