

Main Features

- Compact wrist-worn electronic diary
- Integrated accelerometer provides activity and sleep data
- Ideal sleep diagnostic tool
- Ensures subjective data capture at the required time
- User-configurable questionnaire software
- Ideal for monitoring patient compliance
- Available to set-up in any language



The PRO-Diary is a wrist-worn activity monitor with integrated Patient Recorded Outcome Diary. The diary user interface consists of a touch sensitive 'slider' device and two other buttons. It is designed to be easy to operate, and can ask questions of eight different types.

Utilising CamNtech's next generation of actigraph technology, the PRO-Diary provides quantifiable activity data alongside patient inputted data on subjective wellbeing.

Using the PC Software, up to 250 questions can be arranged in questionnaires, at fixed or random times of day, with a timetable which varies by the day of the week or weekend.

Motion Analysis

The PRO-Diary shares the next generation actigraphy module with the MotionWatch 8. Advances in accelerometer technology have enabled CamNtech to produce low power tri-axial actigraphs that replace the Actiwatch 4 and 7.

Questionnaires

Up to 250 questions can be arranged in questionnaires at fixed or random times of day with a timetable which varies by the day of the week or weekend. The intuitive PRO-Diary software allows users to configure questionnaires choosing from a variety of question types.

The PRO-Diary interface consists of a touch-sensitive slider, two buttons, and an ultra-bright OLED screen.

Monitoring and Analysis

With motion logging enabled, the PRO-Diary can record with a range of epochs for up to 14 days, assuming 10 minutes of questionnaire interface time per day.

If motion logging is not selected, the PRO-Diary can record for up to 28 days, assuming 10 minutes of interface time per day.

Questionnaire data can be downloaded and viewed within the PRO-Diary software. Motion data can be analysed either in CamNtech's new MotionWare Software or in the Actiwatch Activity and Sleep Analysis Software.

Validation

The PRO-Diary questionnaire function has been validated against paper diaries in a report prepared for CamNtech by the University of Surrey. The motion module is identical to that used in the MotionWatch 8 and is currently being validated. For further details please contact us.

Technical Specification

Weight:	16 grams*
Battery:	Rechargeable lithium ion
Battery life:	Up to 30 days (depending on usage)
Questionnaires:	Up to 250 questions
Questionnaire time:	Up to 10 hours
Memory:	4MB
Warranty:	2 years*
Waterproof:	No
Size (mm):	51 x 34 x 8
PC Analysis:	Windows® XP/Vista Windows®7

*excluding strap

CamNtech Ltd

Upper Pendrill Court, Ermine Street North, Papworth Everard, Cambridge CB23 3UY, UK

Tel: +44 (0)1480 831223 Fax: +44 (0)1480 831733

Email: admin@camntech.co.uk www.camntech.com

The PRO-Diary can be configured with up to eight question types:



Multiple Choice

For example:

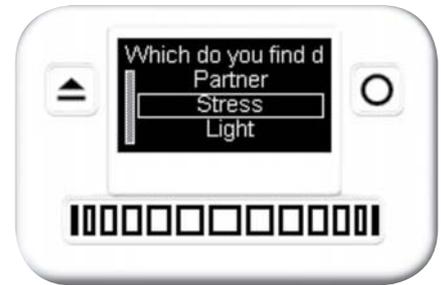
- Q.** 'How well did you sleep last night?'
- A.** 'Very', 'Fairly well', 'Fairly badly', or 'Very badly'



Visual Analogue Scale Questions

For example:

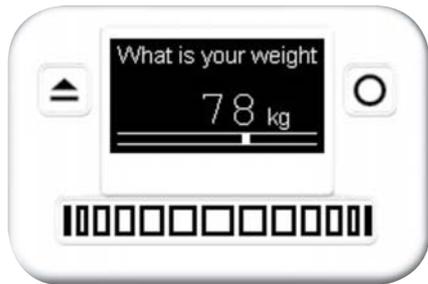
- Q.** 'Rate your sleep from very good to very poor'
- A.** 'Very good' ----- 'Very bad'



List Questions

For example:

- Q.** 'Which do you find disturbs your sleep at night?'
- A.** 'Partner', 'Stress', 'Light', 'Children', 'Noise', 'Caffeine'



Enter a Number

For example:

- Q.** 'What is your weight in kilograms?'
- A.** '0-120Kg'



Enter a Time

For example:

- Q.** 'What time did you wake up this morning?'
- A.** Select time



Simple Message

For example:

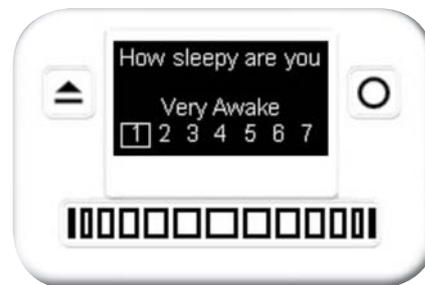
- 'Please remember not to drink any caffeine for at least 4 hours before going to bed'



Free Text

For example:

- Q.** 'How tired are you right now?'
- A.** Type in any text

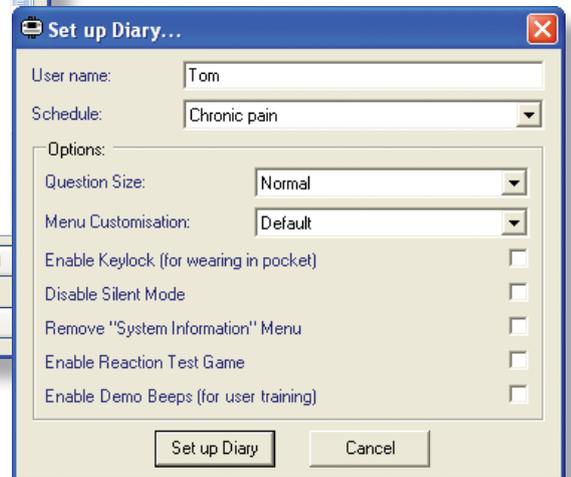
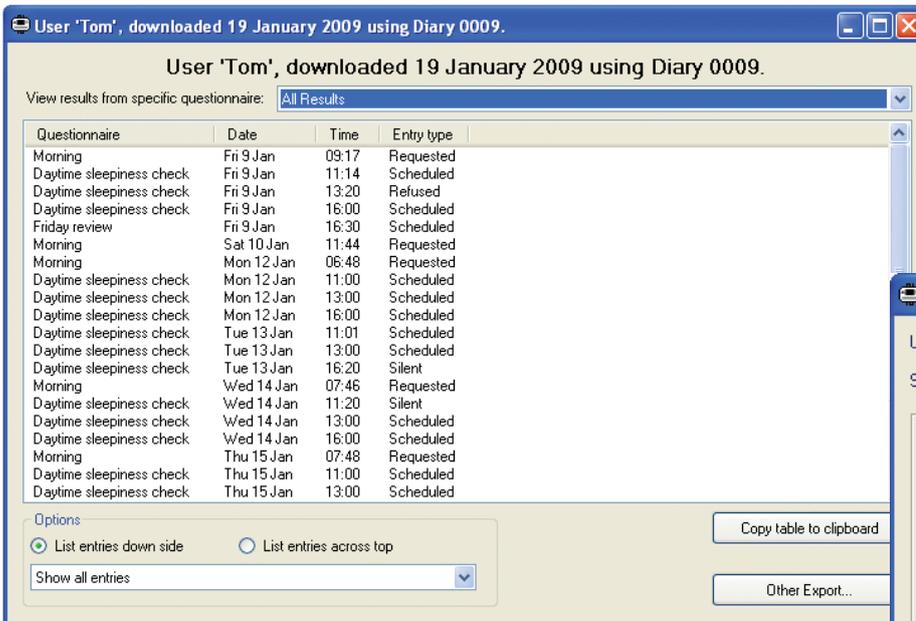
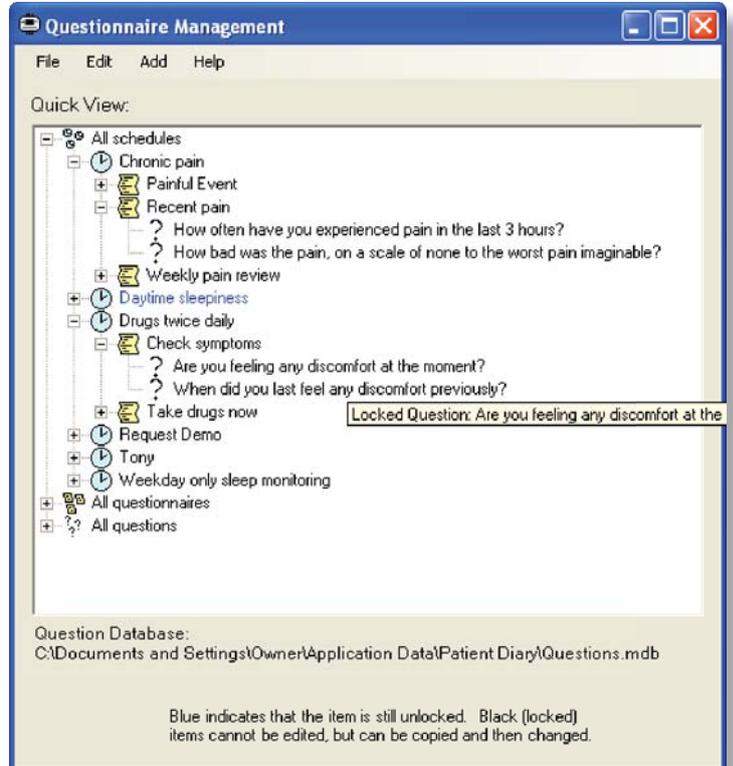
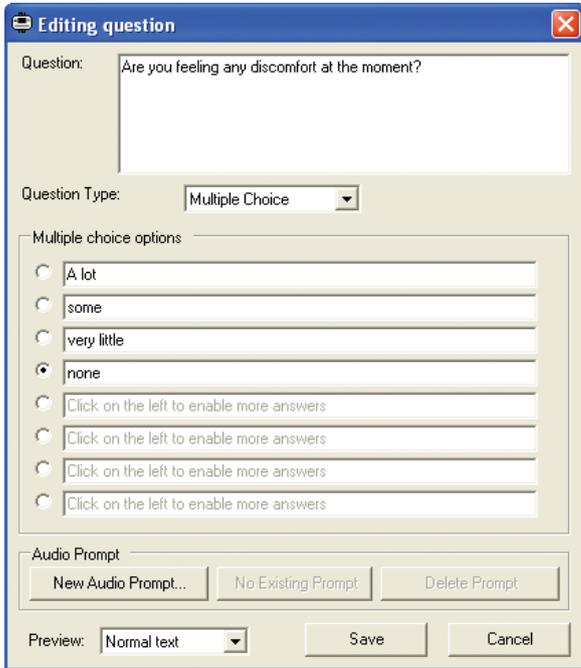


Likert Scale

For example:

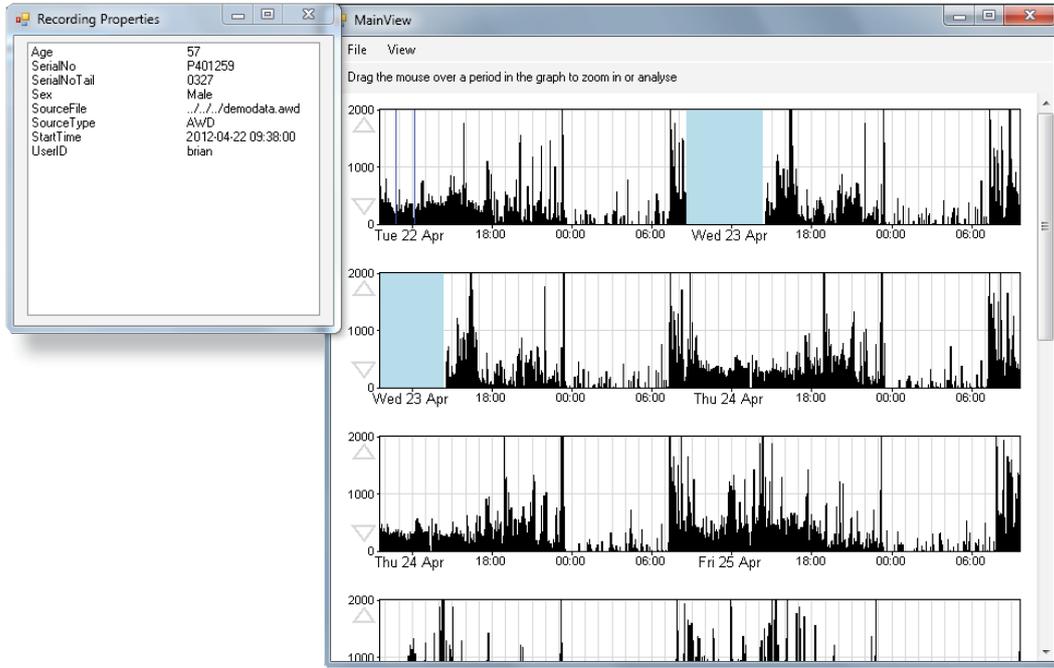
- Q.** 'How sleepy are you right now on a scale of 1 -7 with 4 being neither tired nor awake?'
- A.** '7 point Likert scale from very awake to very tired'

Selected questions of the required types can easily be assimilated in questionnaires and then loaded into schedules in the PRO-Diary software:

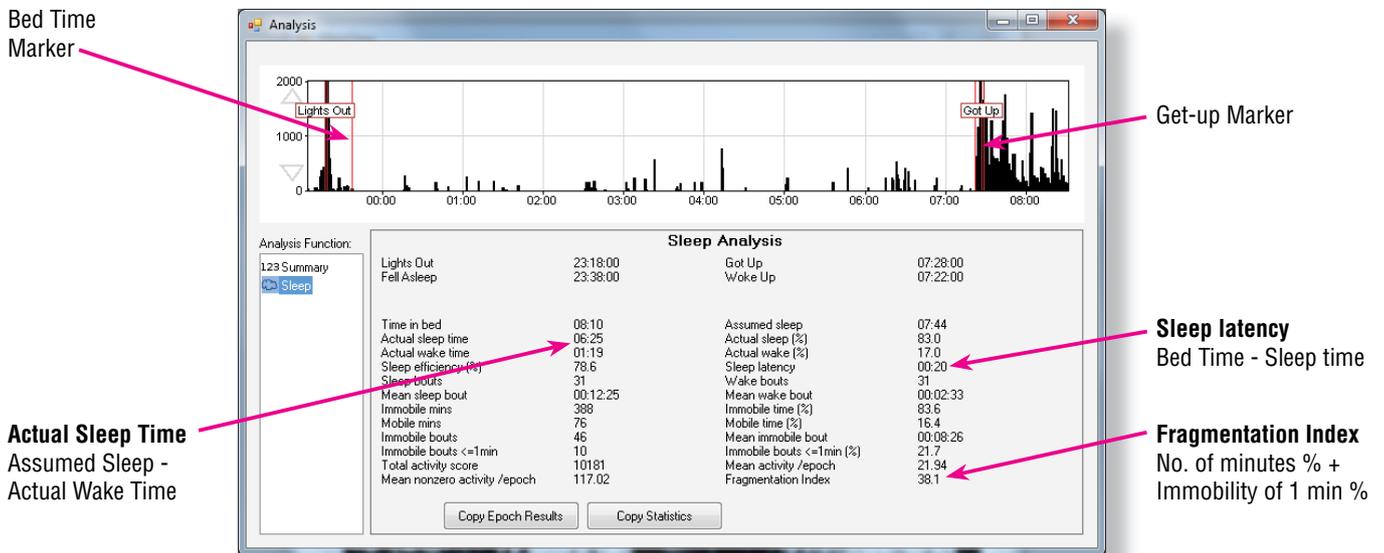


The PRO-Diary's accelerometer can record data on activity, sleep, and circadian rhythm for up to 14 days (assuming 10 minutes of questionnaire interface time per day.) This data can be analysed using MotionWare; some example screen shots are shown below:

Circadian Rhythm Analysis



Sleep Analysis



Ordering Information

Part	Description	Order code
PRO-Diary	Now includes Motion Module as standard	05-111
PRO-Diary Software	Setup/Control/Analysis Software. Windows® XP or Vista or Windows®7	05-370
MotionWare Software	Compatible with MotionWatch 8 and PRO-Diary	04-112
Mains USB Charger	For use with PRO-Diary	05-390
Multi-charger for PRO-Diary	7 way including 7 charging leads	05-312