acksen

Electrocorder Model: Electrosoft

- Energy
- CO_2 Emissions
- Reports
- Email Data to Colleagues
- Email Data to Electrocorder
- Database
- Compare Graphs
- Calibration Manager

Calculates energy and base load savings

Microsoft Vista and Windows 7, Windows 8 compatible

Provided free with all Electrocorders

Internal database to manage location / distribution of loggers
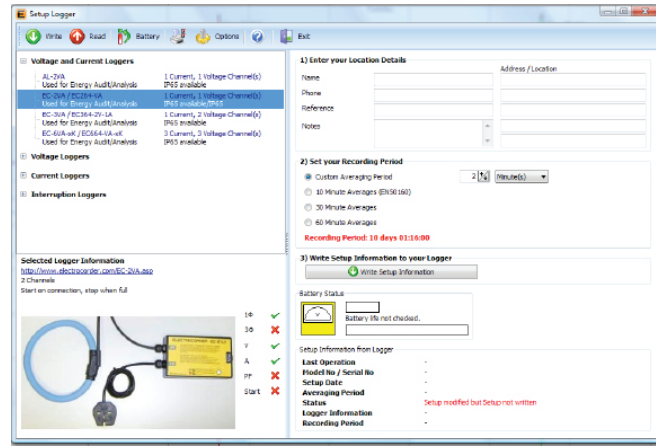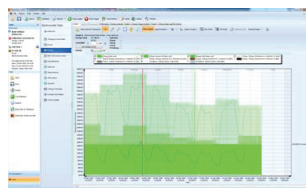
Plots Volts, Amps, kW, KVA, kVARs, kWh, PF

Display time domain and statistical data

Export all data to Excel

Draw line diagrams

Works with USB and RS-232 loggers

Plot power (kW) and energy (kWh) graphs

Voltage optimisation & stablisation calculations

Voltage imbalance, circuit loading and NEC 180 moving average calculations

CO_2 emission data

Powerfully Measured

Version 3.01.02.14

Electrosoft works with all present models of the Electrocorder range of electrical data loggers.

The software makes setup and download of the loggers very easy and suitable for non-technical staff, the program will even print off a dispatch docket to allow shipping via a 3rd party or simply to have a paper record of the locations of the various loggers.

The program has an internal database which stores the locations of the loggers and based upon the setup information, knows when these loggers are due to finish logging. The software will then prompt you that the logger is finished and due to be down-loaded.

Why is the Electrocorder better than other similarly priced competitors? The Electrocorder range use a constant sampling technique, unlike the single reading of competitors. When the loggers start to record, they sample every channel 16 times per cycle, a cycle is 16ms at 60Hz and 20ms at 50Hz. At the end of each averaging period, 3 quantities are saved for each channel, the True RMS average, the Max, which is the highest cycle value during the period and the Min, lowest cycle value. This means that it will record all the peaks and troughs which are one cycle or longer.

When recording the Electrocorder will store the average voltage and current (model dependent) over the averaging period chosen (1 second to 60 minutes), it will also record the highest (max) & lowest (min) cycle values as well as the average during that period.

The recorded data is uploaded to a PC via the supplied USB cable. Using Electrosoft, the recorded voltage levels, with dates and times that can be viewed in both tabular and graphical form, exported to a spreadsheet or saved to file. Graphs can be printed showing the recorded levels and the allowable tolerance bands. These results may then be discussed with the customer.

On the logger, recording is signified by a flashing green light. A red light advises users that the unit has completed recording.

There are many models of Electrocorder, to suit many logging situations and users' requirements. Should you have any questions please contact Acksen Ltd, tel: +44 (0)870 225 1790 or contact your local distributor.

Technical specifications (subject to change without notice)

Display voltage graphs	Yes
Display current graphs	Yes
Display voltage statistics	Yes
Display current statistics	Yes
Display power graphs	Yes
Display energy graphs	Yes
Print dispatch docket	Yes
Database to manage distribution of loggers	Yes
USB, & RS-232 communications	Yes
Export all data to Excel	Yes
CO_2 emmissions	Yes
Calibration Manager	Yes
Compare multiple graphs	Yes
Display Voltage unbalance for 3 phase loggers	Yes
Calculate voltage optimisation	Yes
Calculate and display NEC 180 minute rolling average	Yes

Warranty & calibration
All Acksen Ltd products carry Lifetime* back to base warranty covering manufacturing defects and component failures. Each unit is individually calibrated during testing. (* Refer to website).

Conformity
Emissions EN55022:1994B, (EN50081-1:1992).
Immunity EN50082-2:1995, following the provisions of EMC directive 89/336/EEC. Recording std EN50160:1994.
LVD 72/23/EEC with respect to EN60065. (IEC-61010).
All models certified (light industrial, 3V/m).