

# acksen >

Electrocorder:  
portable data loggers  
for load checking and  
current analysis



Helping you make informed  
decisions about reducing  
electrical costs and  
load planning

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**Powerfully Measured**

Version 2.00.02.14

**Acksens range of low cost voltage, current and energy loggers allows users to check loading and voltage performance, as well as conduct energy assessments.**

The advantage of the Acksen products over most others is that our data loggers constantly sample information (recording the min, max and average) over the set period, many other products only take 'snap shots' of what is going on and can miss 99.9% of the data that is critical to your overall analysis.

**When purchasing an Electroorder you are buying a complete kit, there are no hidden extras.**

Electrocorders are supplied with necessary sensors, connection leads, software and carry case.

Software licences for Electrosoft data analysis are free, this offers you flexibility to exchange data with multiple users.

All new Electroorders are sold with a Lifetime Back to Base Warranty (refer to website for terms and conditions).

**Who are we:  
Measured Soul**

At Acksen, we believe in being green, it's something we're passionate about. We're driven to design and manufacture great products that allow you to make accurate, informed decisions about carbon management and corporate environmental obligations.

**Where we sell:  
Measured Intelligence**

Acksen support a network of distributors in North America, Australasia and Europe who supply our data logging equipment to customers who have typical roles and responsibilities around environmental planning, regulation and monitoring of energy use with respect to CO<sub>2</sub> emissions. Typically our customer profile ranges from electrical contractors / facilities management through to energy management professionals and power utilities.

**What we sell:  
Measured Honesty**

By providing a personal service we design, develop and deliver dependable products to identify areas of energy use, faults in supply and loading issues; we give you the tools to make decisions around escalating energy pressures.

Our company ethos is to provide easy to use electrical measurement equipment with excellent software analysis at a conservative cost; our data loggers are classed as entry level equipment which can measure voltage, current and power factor. The products are robust and accurate by using a constant sampling technique supported with a back to base warranty and free software licensing for multiple users.

**When we were set up:  
Measured Success**

Established in 1994, Acksen Ltd has grown from a small local UK based company, to one that is now respected on a number of continents offering a solid alternative to Global Brands who service large scale complex solutions for electrical data logging equipment.



**Are you faced with any of the following questions or issues...**

1. Load surveys for expansion?
2. Saving on electricity costs?
3. What are our CO<sub>2</sub> emissions?
4. Electrical equipment not functioning properly?

Day to day more and more people are asking these typical questions. With the rising cost of electricity and growing pressure to cut carbon emissions, saving energy is high on the agenda for all organisations.

The carbon trust states that **most organisations can save up to 20%** on their fuel bills simply by better managing their energy use and investing in cost-effective measures.

You need to undertake a load survey, it is important to use a data logger to record energy usage over a period of time.

An Electrocorder allows you to record for set periods of time from 2 hours to 300 days.

Once set up, the Electrocorder is taken to site and connected. When your chosen recording period has finished, the logger is disconnected and the recorded data transferred to a PC.

Using the data that has been gathered via your Electrocorder and information plotted through Electrosoft, you should be able to see critical information on your energy consumption. You can then decide how best to rectify any loading issues.

**Powerful products that work**

**CT-1A**

The EC-7VAR will record voltage, current and power factor. It will record voltage up to 500Vac & loads up to 3kAac.



**CT-3A**

The CT-3A will record current from 0.5A up to 400A.



**EC-3A**

The EC-3A will record current from 4A up to 3kA.



***This is just a small selection of the types of products that can be used for current analysis. For more information on our other products visit our website or download our full brochure.***

*"Great little machine. It has proved an eye opener for a lot of customers and shown up some serious loading issues, (even when the customers bury their head in the sand, they cannot dispute the facts!)"*

H.Rose Electrical Supervisor, referring to the Three Phase Voltage Current (and Power Factor) data logger, EC-7VAR.

*"We need to work out the ampage to choose the correct size of boiler needed. The EC-7VAR gives us all the information that we need to do this."*

*"The EC-7VAR was very easy to use and I would recommend it."*

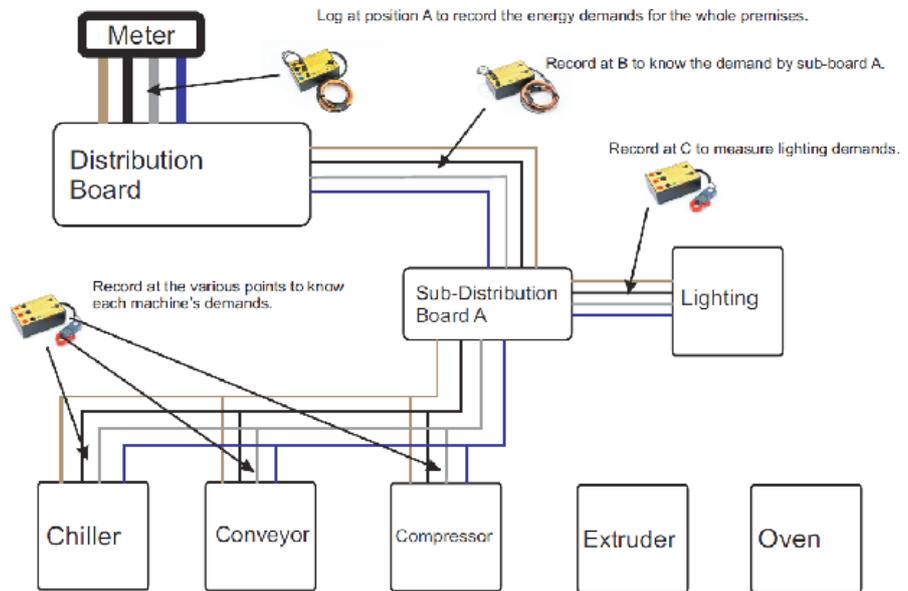
- Bob Hutley, Managing Director at Hutley Electrical Ltd

When conducting energy assessments recording equipment can be used at various points on electrical circuits depending on your data requirements.

To see the biggest contribution to your electrical consumption, you can conduct an energy audit. This information can help you understand where energy is being used and give you insight as to how it can be reduced.

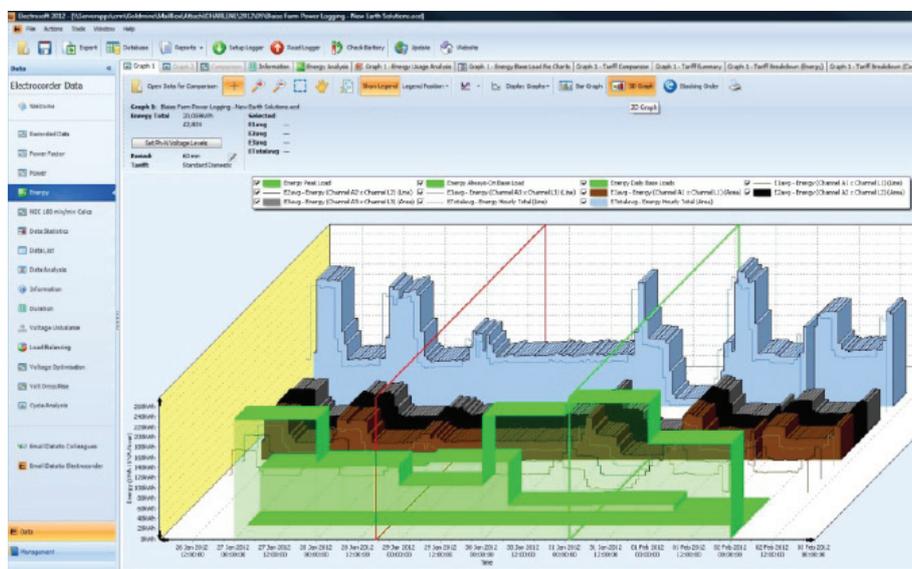
Electrocorders can help you make informed choices on servicing or replacing items to reduce energy consumption saving money and the environment.

The diagram on the right shows how connecting a logger at these points on the circuit can record load and highlight current demand.



**Electrosoft**

The Acksen Electrocorder range of data loggers offer essential measurement tools for many job functions, products include single and three phase AC data loggers and also multiple channel data loggers for DC installations.



*“The Software sold it for me! It has excellent interpretation of the information engineers and energy managers require. Before using the Electrocorder I used a competitor product, the results of the Electrocorder software are far more advanced. I would absolutely recommend the Electrocorder products.”*

Sean O’Kane, Managing Director at Resourceable Ltd