Electrocorder
Model:
EC-3A
Dual Range

Three current channels
c/w selectable range;
400Aac and 3kAac ranges

Rogowski coils fit round
140mm cables

Complete with Electrosoft
energy analysis software

Sealed to IP65/NEMA
12/4 as standard

Enables 3 phase loading and/or balancing problems to be high-lighted quickly as well as assessment of energy usage over time

Data stored in non-volatile memory

Memory capacity of 32,000 (True RMS) values per channel
(10bit), up to 300 days continuous recording

Selectable averaging period from 1 second to 60 minutes

Accuracy:
Typically ± 2% of range, within 10% - 90% of selected range, otherwise 5% of range

Kit includes data logger, Rogoswki Coils, USB lead, Electrosoft software and a carry case

The advantage of the Electrocorder products over most others is that our Data Loggers constantly sample information (recording the Minimum, Maximum and Average reading) 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 analysis.
The EC-3A is specifically designed to accurately monitor one, two or three current channels allowing you to monitor the loading and/or balancing problems and energy consumption of an installation.

Setting up the Electrocorder EC-3A is easy, suitable for non-technical staff. Using the supplied (free) Windows software, Electrosoft; input the location details for the logging and choose the logging period. Electrosoft will print the necessary dispatch/return documentation including user instructions. All data is included in a database of dispatches and returns, allowing you to track location of multiple loggers.

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.

The current levels are stored with dates and times. With the backup battery, the Electrocorder can continue to record for up to 3 months.

The recorded data is uploaded to a PC via the supplied USB lead. Using Electrosoft, the recorded current 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. The current levels are stored with dates and times.

The EC-3A-RS has two user selectable current ranges 4Aac to 400Aac and 20Aac to 3kAac. If you require lower current ranges down to 0.5Aac, consider the CT-3A-RS.