

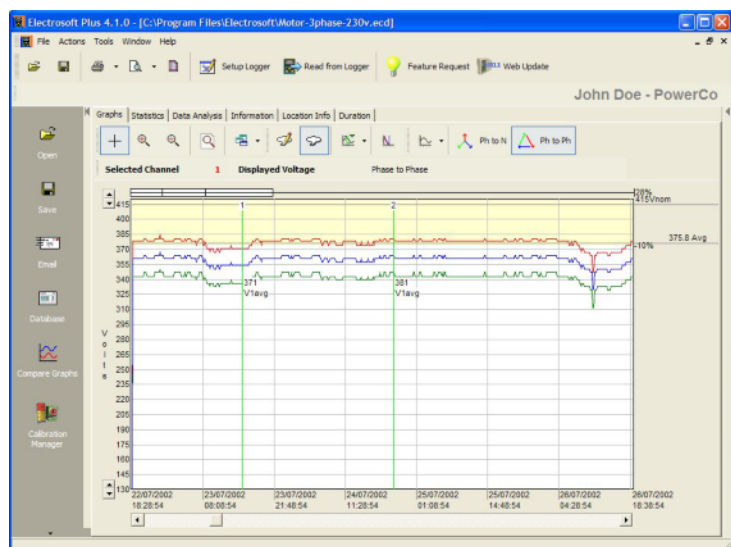
Three Channel Voltage (DC) Logger DC-3V-60

- ◆ Monitor charging circuits, PV (photovoltaic) cell, DC motor, and many other applications.
- ◆ Accurately record DC voltages up to 60Vdc, extendable to 400Vdc.
- ◆ Three voltage input channels (D1, D2 & D3).
- ◆ Records V_{Avg} , V_{Max} & V_{Min} on all 3 channels. Data stored in non-volatile memory.



Photo shows the ElectroCorder DC-3V-60.

- ◆ Free software, Electrosoft.
- ◆ Recorded data is uploaded to a PC for analysis with Electrosoft.
- ◆ Memory capacity of 32,000 values per channel (10 bit), up to 75 days continuous recording.
- ◆ Selectable averaging period to suit each situation, accurate to <1% of range.
- ◆ Accuracy:-
1V – 5V < 2% of reading.
6V– 60V < 1% of reading.
- ◆ Kit includes: DC-3V-60 logger, case, Electrosoft, four input leads & USB lead.
- ◆ Order code:
DC-3V-60-KIT



Electrosoft - in English, Croatian, Czech, Finnish, French, German, Italian, Polish, Portuguese, Spanish, Swedish.

ELECTROCORDER

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Three Channel Voltage (DC) Logger DC-3V-60

The ElectroCorder range is designed to allow users to monitor single, two or three channels.

Setting up the ElectroCorder DC-3V-60 is easy, suitable for semi-technical staff. Using the supplied (free) Windows software, Electrosoft; the location's details are input to the unit's memory and stored. Electrosoft will then print documentation allowing users to record and/or pass on delivery instructions to colleagues. All data is also stored in a database of dispatches and returns, which tracks the whereabouts of all units.

Memory modes available: The ElectroCorder can be set to start recording when it is connected and the 'start' button pressed and stop when the memory is full. Should you have any other needs please contact Acksen Ltd, tel: +44 (0)870 225 1790 or contact your local distributor.

When recording the ElectroCorder will store the average voltages over the period chosen (1 sec to 15 min), it will also record the highest (max) & lowest (min) cycle values during that period.

The voltage levels are stored with dates and times. With the back-up battery, the ElectroCorder can continue to record for 6 months. An external 12Vdc PSU input is available, to allow for prolonged logging without batteries.

The stored data is uploaded to a PC via the supplied USB cable. Using Electrosoft, the recorded current levels, dates & times 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. **Electrosoft also provides an internal database which effectively manages the distribution of multiple units.**

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

This model is specifically designed to accurately monitor one, two or three DC voltage channels (1V to 60Vdc, extendable to 400Vdc). Allowing you to monitor charger performance and PV (photovoltaic) cell output, as well as many other applications like DC motors. There are many models of ElectroCorder, to suit many logging situations and user's requirements.

The product is supplied with four voltage input leads.

TECHNICAL SPECIFICATIONS (subject to change without notice)	
Recorded values	Vavg, Vmax & Vmin on 3 channels.
Voltage Input socket types (all channels)	4mm shrouded plugs and sockets.
V _{max} & V _{min} time resolution	20 ms, independent of selected averaging period.
Input impedance	10MΩ
Voltage measurement range.	2Vdc to 60Vdc, extendable to 400Vdc.
Voltage (DC) measurement accuracy	1V – 5V < 2%, 6V – 60V < 1%.
Sampling frequency (all channels)	800Hz @ 50Hz or 960Hz @ 60Hz (10 bit resolution).
Data recorded	Average, max & min current values during the averaging period
Memory capacity	192kB able to record 32,000 current levels per channel/phase.
Memory type	Non-volatile SEEPR0M
Memory - averaging period & duration	1 sec - 15 mins (1sec average gives 2 hrs of logging, 15min average gives 75 days)
Real-time clock accuracy	Greater than 0.001%
Current Sensor Input Lead Length	Metric 2 metres Imperial 6' (6 feet)
Battery life while logging	Unlimited – 12Vdc PSU option & battery backup or 6 months while unpowered.
Battery Type	Unit contains fourteen 9V Alkaline batteries (E-Block, PP3, 1604A).
Communications Interface type	USB, optically isolated to 5,2kV.
Environmental (temp & sealing)	-10C to +40C or +14°F to +104°F
Dimensions & Weight	Metric 250 x 175 x 70mm & 1kg Imperial - 10" x 6" x 3" & 2.2lbs
Standards	Recording - EN50160: 1994 - CAT II.

WARRANTY & CALIBRATION - All Acksen Ltd products carry a minimum of a one year's warranty covering manufacturing defects and component failures. Each unit is individually calibrated during testing.

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 **CE** certified (light industrial, 3V/m).

ORDERING - DC-3V-60-KIT – inc. case, software, serial lead, input leads, current transducer & user guide.

	Description	ENVIRONMENTAL SEALING	ORDER CODE
1	KIT incs. items 2-6 DC-3V-60	IP43	DC-3V-60-KIT
2	Replacement – Logger (includes. 4 of item 5)	IP43	DC-3V-60-LOG
3	Replacement - Carry Case	N/a	DC-3V-60-CC1
4	Replacement - USB Lead	IP43	DC-USB-01
5	Replacement Voltage Lead	IP43	DC-UFVL-RD/BK
6	Replacement – Batteries (14 per unit)	Internal to logger	DC-3V-60-BAT
7	Optional Plug-in mains PSU (12Vdc)	None	DC-3V-60-12VPSU



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YOUR LOCAL DISTRIBUTOR: