eDAQ
www.eDAQ.com
Product Catalog

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Laboratory Data Acquisition and Recording

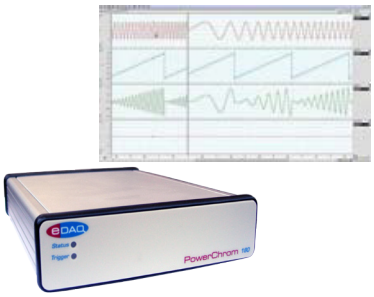
e-corder Systems

e-corder units are high performance data recorders capable of up to 400K data points per second, 10mV to 10V inputs at 16 to 24bit resolution. These recorders collect and display signals from many types of transducers, sensors, and laboratory instruments. Units connect simply to a computer via USB and are supplied with Chart and Scope software for real-time display and analysis of input signals.
Visit eDAQ web site for detailed specifications.

- ED410 - High performance 4 channel e-corders 100 ks/s max.
- ED821 - High performance 8 channel e-corders 400ks/s max.
- ED1621 - High performance 16 channel e-corders. 400ks/s max.

See how isoPods can enhance e-corder applications

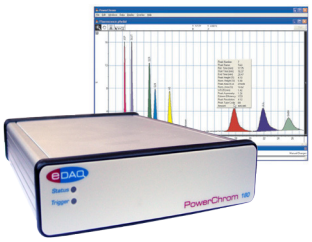
Mini-corder Systems - *A new addition to our range*



This system provides an economical solution to the recording and analysis of one or two data channels. These units are supplied with the powerful Chart and Scope software. The units connect to a computer via USB and can record signals from one or two signal sources in the range of 20mV to 10V at up to 2000 samples/sec, signals typically found in physical science labs.

- ER180C - 2 Channel Data System with 4 Control lines, analog output & trigger input.
- ER181C - 1 Channel Data System with trigger input.

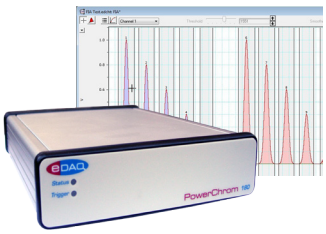
PowerChrom Systems



These PowerChrom systems record and analyse signals from gas and liquid chromatographs and capillary electrophoresis systems. Provided with contact closure trigger input. Units are supplied with PowerChrom software. The units connect to a computer via USB and record signals from one or two detectors in the range of 20mV to 10V at up to 100 samples/sec signals.

- ER180R - 2 Channel Data System with 4 Control lines,analog output & trigger input.
- ER181R - 1 Channel Data System with trigger input

Flow Analysis System



The Flow Analysis System is used for the detection, display and analysis of peaks from Flow Injection Analysis (FIA) and similar experiments. It collects signals from one or two detectors and features automatic peak detection and calibration. The software can generate user configurable reports and it is easy to copy and paste results into other applications

- ER180F - 2 Channel FIA Data System with 4 Control lines,
- analog output and trigger input.
- ER181F - 1 Channel FIA Data System with trigger input.

isoPods - High Performance Sensor Couplers and Recording Meters

isoPod Transducer Couplers (EPxxx)

These isolated transducer couplers enhance the e-corder range by providing the means to connect specialised transducers required for many physical chemistry experiments. isoPods provide the precision, stability and speed required for critical experiments. The galvanic isolation provided on all units reduces noise and interaction between signals and allows operation at high common mode voltages.
Fully supported by Chart and Scope software.

USB isoPods recording meters (EPUxxx)

eDAQ USB isoPods record signals, directly to your PC, from various specialised transducers required in many physical chemistry experiments. They provide the precision stability and speed required for critical experiments and are fully controlled by software. The galvanic isolation provided on all units reduces noise, avoids ground loops and interaction between signals as well as allowing operation at high common mode voltages. USB isoPods connect directly to a Windows PC computer and can be used with eDAQ Pod-Vu, a display and recording application, serial data mode or third-party software such as LabView.

Conductivity isoPod (EPU357/EP357)

Conductivity isoPod can be used with standard 2-electrode conductivity probes for solution conductivity measurement. Range settings: 0.002, 0.02, 0.2, 2, 20 and 200mS.

pH/ISE isoPod (EPU353/EP353)

The pH/ISE isoPod is suitable for use with most pH, ion selective and oxidation/reduction potentiometric (ORP) electrodes. It also provides an electrometer function. Signal range is ±2000 mV with better than 0.1 mV resolution (ie. more than pH 0-14 with better than 0.001 pH resolution).

Nitric Oxide isoPod (EPU355/EP355)

The Nitric Oxide isoPod is a compact, low noise, signal conditioner for monitoring polarographic nitric oxide electrodes. Current signal ranges (and resolution) are ±2µA (625fA), in decades to ±2nA (0.6 fA).

Biosensor isoPod (EPU352/EP352)

The Biosensor isoPod provides a bias voltage between ±2000 mV and records the resulting current signal from many types of amperometric sensors. It can also function as a Zero Resistance Ammeter.

Dissolved Oxygen isoPod (EPU354/EP354)

The Dissolved Oxygen isoPod is used for monitoring polarographic (Clark) dissolved oxygen (dO2) electrodes. Current signal ranges (and resolution) are ±20µA (6.25 pA), in decades to ±20nA (6 fA).

Thermocouple isoPod (EPU356/EP356)

Thermocouple isoPod is suitable for use with B, E, J, K, N, R, S, and T-type thermocouples.

Thermistor/RTD isoPod (EPU358/EP358)

Thermistor/RTD isoPod can be used with 1000 Ohm PT RTD or 30k Ohm thermistor temperature probes to record.

Reconfigurable and Multichannel isoPods

In a laboratory environment it is often necessary to make measurement using different sensors. Traditionally this would have required a different coupler or instruments for each type of sensor. eDAQ has developed a range of multichannel/ reconfigurable systems where each input can be reconfigured by the user to provide a broad range of functions.

NEW !! Quad Multifunction Reconfigurable isoPod (EPU452)

Multiple Channels Quad MF (multifunction) isoPod streaming Meter can support up to four sensor probes on its four channels.
Research Grade precision, stability and speed required for critical experiments.
Galvanic isolation provided on each channel reduces noise, avoids ground loops and interaction between channels as well as allowing operation at high common mode voltages.
Simple USB connection Supports pod-Vu software and serial comms.
Reconfigurable by user to provide the following functions in any combination.

Suitable for teaching lab applications

- pH/Ion Selective /ORP Electrodes/Electrometer.
- Conductivity/Resistance.
- Temperature (Thermistor or RTD).
- Amperometric sensors (O2, CO2, etc.)
- Zero Resistance Ammeter.

Quad pH/ISE/Electrometer isoPod (EU168)

Quad pH isoPod can support up to four sensors in any combination:

- pH electrodes.
- Ion selective electrodes.
- Oxidation/reduction potentiometric (ORP) electrodes.
- Electrometer signals.

Signal range is ±2000 mV with better than 0.1 mV resolution (ie more than pH 0–14 with better than 0.001 pH resolution). The channels are electrically isolated from ground.

MultiSensor Teaching Kit (ER7006)

This kit includes the EPU452 unit, Pod-Vu software and common electrodes and transducers to develop a range of experiments for teaching students about sensors and biosensors used in chemistry and biochemistry:

- ET5733 Combination pH Electrode - Tuff tip for student use.
- ET060 ORP Electrode. Combination type - has internal reference.
- ET1117 Polarographic Oxygen Electrode.
- ET902 Conductivity Cell, k=1, 12 mm diameter glass body.
- ET021 RTD Temperature Probe.

Other sensor combinations are available on request.

Electrochemistry Systems

Integrated Potentiostats (ER466/ER467) - *Now with up to 1 Amp capability!*

An integrated unit containing a high performance potentiostat, waveform generator and high speed recording system packaged in one unit. Ideal for research and teaching use, these fully software controlled systems can measure currents from sub-nanoamps to 1Amp at up to +/-10Volts. Ideal for cyclic voltammetry and electroanalytical chemistry supported by our Chart and EChem software.

Two data acquisition channels are provided for recording auxiliary signals such as temperature, pressure, crystal microbalance, surface plasmon resonance etc.

- ER466 Standard model with 100mA to 20nA FS capability.
- ER467 High current model with 1Amp to 20nA FS capability.

e-corder Based Potentiostats -*These potentiostats connected to an e-corder provide an ideal and flexible solution in many applications.*

Potentiostat (EA165) - *Replaces our popular EA163 unit*

A modular 400mA and +/-10V compliance potentiostat with high bandwidth for electroanalytical and cyclic voltammetry applications. These fully software controlled units can measure currents from sub-nanoamps to 400mAmp. A 4 channel e-corder (ED410) can support up to two EA165 units and four EA165 units can be supported by an 8 channel e-corder (ED821).

Also Available as a single board OEM product.(Refer to p.15)

Dual Picostat (EA362)

A high sensitivity, galvanically isolated, modular potentiostat that can measure from sub-picoamp currents up to 10 µA at up to ±10V. Ideal for use with in vivo microelectrodes (including carbon fibres for neurotransmitter monitoring) and other low current sensors. The Dual Picostat can also be used as a bipotentiostat, or a 4-electrode (2 reference and 2 working electrodes) potentiostat for membrane or the interface between two immiscible electrolyte solutions (ITES)or other liquid junction) experiments. Requires a 4 channel e-corder (ED410) unit for operation.

QuadStat (EA164)

The QuadStat is a high sensitivity four–channel modular potentiostat that can be used with one, two (bipotentiostat), three or four working electrodes, with either common or separate reference and auxiliary electrodes. Ideal for use in vivo microelectrodes (including carbon fibres for neuro-transmitter monitoring) and other low current sensors.
It has been used for microbial fuel cell, sensor research, and other work where replicate samples are required. It has a current range setting of 200pA to10mA per channel at up to ±10 V. The QuadStat is best suited for use with the 8 channel e-corder ED821 unit.

Enhancing and Upgrading Potentiostats

eDAQ provides a number of products which can be used to enhance and/or upgrade existing potentiostats. For example many older or 3rd party potentiostats have useful features and are capable of a new life with the addition of some of the products listed below.

Dual Reference Adaptor (EA167) *or Hi Impedance Differential Electrometer*

- Turns your standard DVM into a High speed high impedance differential electrometer.
- Turns your e-corder input channel into a High speed high impedance differential electrometer.
- Turns a standard eDAQ or 3rd party Potentiostat into a 4–electrode system with one working, one counter, and two reference electrodes suitable for studies of membranes (4– electrode voltage clamp), or the interface between two immiscible electrolyte solutions (ITES), or other liquid junction.

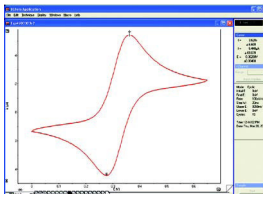
Waveform Generator (ER175) - *High Performance Electrochemical Waveform Generator.*

Provides a range of programmable pulses, ramps, as well as triangular and sinusoidal signals that can be sent to an eDAQ or other potentiostats to facilitate various electrochemical experiments.
During slow speed cyclic voltammetry experiments the triangular waveform can be paused, or even reversed using manual commands.
This unit is a modern replacement for the PAR 175 Universal Programmer
The waveform generator is fully integrated with Chart and can be controlled using serial commands via applications such as LabView.

Data System (ED410/ED821)

The ED410/ED821e-corders provide an ideal replacement to chart recorders or oscilloscopes used with older potentiostats.
Chart software (ES500) provides the necessary recording and analysis software suitable for many electrochemical research applications requiring precision long term recording.

EChem Software (ES260)



EChem software controls the collection, display and analysis of data from electroanalytical voltammetric experiments. When used with an e-corder unit, many older third-party potentiostats can be upgraded to the full range of elecrochemical techniques including cyclic, square wave, normal pulse, and differential pulse voltammetry and their stripping voltammetric equivalents.

Electrochemistry Kits

EChem Startup Kits (ER461)

This popular electrochemistry system includes an ER466 Integrated Potentiostat, software and ET014 Electrode Kit.
Two data acquisition channels are provided for recording other experimental signals.
It is an ideal system for research and teaching.

QuadStat Kit (ER7005)

This electrochemistry kit includes a EA164 QuadStat, ED821 8-channel e-corder data recording unit, ER175 Waveform Generator and software.
It is an ideal system for multichannel channel studies of biosensors, microbial fuel cells, and in vivo oxygen or nitric oxide electrodes.

Dual PicoStat Kit (ER7162)

An electrochemistry kit comprising of a high sensitivity, isolated EA362 Dual Picostat, ED410 4-channel e-corder with Chart, Scope and EChem software and an ET014 Electrode kit.
It is an ideal system for research with microelectrodes including invivo recording of neurotransmitter levels with carbon fibre electrodes.

Mega Teaching Kit (ER7004)

This kit includes the hardware, software, electrodes and transducers required to conduct a range of exciting experiments for chemistry and biochemistry laboratory courses. It includes an Integrated ER466 recorder/Potentiostat, ET014 Electrode Kit, isoPod meters and sensors for measuring pH, dO2, temperature, and conductivity. Also includes Chart, Scope, EChem, and PowerChrom software packages.
This kit provides a flexible and cost efficient package for teaching and graduate and post graduate projects.

Contactless Conductivity Detection

Capacitively Coupled Contactless Conductivity Detection (C4D) is a fast evolving measurement technique that can be applied to 3 classes of applications. The C4D technique has the following broad advantages over conventional techniques.

- Contactless: No fluid contact with electrodes
- Small sample volumes: Can operate with capillaries, glass tubes and disposable pipettes.
- No electrode cross contamination drift
- Long term stability.

Class I C4D Detectors

This application requires the detection of small changes in conductivity due to analyte peaks. Used for capillary electrophoresis, microchip electrophoresis, ion chromatography, and salt gradient chromatography. Contactless conductivity detection can be used to detect virtually all charged species: inorganic anions and cations, as well as organic ions, such as carboxylic acids, amines, amino acids, peptides, proteins, DNA fragments, antibiotics and many other pharmaceutical compounds.

Class II C4D Detectors

These devices are designed to monitor relative changes in conductivity. In many of these applications it is changes in conductivity that need to be measured not necessarily the absolute value.

Class III C4D Detectors

These devices require the measurement of absolute values of conductivity in mS/cm units
EDAQ offers solution in all above C4D classes. Contact eDAQ for options.

C4D Data System (ER225)

This system is supplied with PowerChrom software and accepts the output from one of the available C4D headstages. It also provides a second input channel to suit other detectors – for example an optical or electrochemical detector. The unit also provides a trigger input, an analog control voltage and 4 control lines. Chart software with FIA extension is optional. *Requires a suitable C4D Headstage.*

C4D Single Channel Detector System (ER815)

This single channel C4D Detector can be used with Chart, PowerChrom or third party software. An analog output and trigger input is available. The unit can be set up for use with third party systems such as ChemStation from Agilent, and 32 Karat from Beckman Coulter. The serial protocol available on the unit can be used with your own systems designed with LabView etc. Requires a suitable C4D Headstage.

The ER815 is available in the following configurations, depending on your application:

- ER815R: Includes PowerChrom software, for capillary electrophoresis, microchip electrophoresis and chromatography-type applications.
- ER815C: Includes Chart software, for flow injection analysis and conductivity monitoring applications.
- ER815: For people wishing to use third-party software to record the data. In this configuration, the ER815 provides both analog and serial data output.

Contactless Conductivity Detection

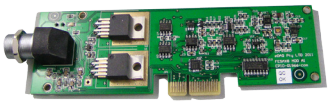
C4D Multichannel Detector (ER825)

This multichannel Detector can be fitted with 1 to 8 input channels to measure multiple signals simultaneously. Each channel can record a contactless conductivity signal, or an analog signals. The unit can be configured to be used with either third party software such as ChemStation, 32 Karat or LabVIEW etc, or eDAQ software such as PowerChrom and Chart.

Note: Each input channel requires a suitable Expansion Module (see below).

- ER825R: Two Channel Contactless Conductivity Detector with PowerChrom software, for capillary electrophoresis, microchip electrophoresis and chromatography-type applications.
- ER825C: Multi-Channel Contactless Conductivity Detector with Chart software.
- ER825: Multi-Channel Contactless Conductivity Detector, for use third-party software to record the data.

ER825 Expansion Modules



- EA 010 GP Analog input module provides the means to connect a sensor voltage
- signals and/or isoPod to an ER825 unit.
- EA025 Headstage Module provides the means to connect any eDAQ C4D headstage to an ER825 unit.

High Voltage Sequencer (ER430)

Four channel high-voltage supply suitable for microchip electrophoresis, electrokinetic chromatography, or as a voltage source for micro reactors and mixers based on EOF pumping.

- Up to ±3000 V at 150 µA.
- Four independent channel operation.
- Monitor current and voltage.
- Serial communication.
- Trigger external devices.

Octal Contactless Conductivity System (ER818)

The ER818 was designed to allow the simultaneous contactless-conductivity measurement of up to 8 low-volume samples, with low wastage and zero cross contamination. This is not a standard product and it can be customized to meet customer's application. It can be used with disposable pipetttes, NMR tubes and other suitable tubular sample holders.
The system consists of a Control unit (ER815) and the Octal headstage (ET128)

Microchip Electrophoresis Bundle (ER455)

Complete system for microchip electrophoresis experiments. Includes an ER225 C4D Data System, ER430 high voltage sequencer, ET225 chip platform, test solutions (EC020) and software. Also included are a set of 45 mm (ET145-4) or 90 mm (ET190-2) chips, please indicate your preference at time of ordering.

C4D Headstages

eDAQ provides a number of C4D headstage configurations to suit various classes of applications. These headstages can be used with any eDAQ C4D Systems such as:

- ER225 for a 2 channel system with control capability
- ER815 for a low cost single channel system
- ER825 for a multi channel configurable system supporting C4D headstages and other analog inputs.

C4D Headstage for Capillary Electrophoresis(ET120)

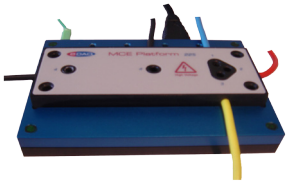
This C4D headstage is used with 365 µm OD capillaries in capillary electrophoresis applications as a detector. Its small size can fit into CE cartridges. Small electrode separation and fast speed allows narrow analyte peaks to be detected.

General Purpose C4D Headstage (ET125/ET130/ET131)

This C4D headstage connects to tubing used in ion chromatography (IC), flow injection analysis (FIA), or capillary electrophoresis (CE) systems.
This headstage comes in 3 configurations:

- ET125 General Purpose headstage used as a conductivity monitor. This headstage is used with 1600µm OD tubing - conductivity range is determined by tubing ID from 20mS/cm to 200µS/cm.
- ET130 Fixed configuration for HPLC/Ion Chromatography detector applications using1600µm OD 125µm ID tube.
- ET131 Configurable headstage for monitoring applications – contact eDAQ regarding use in special applications

Micronit Chip Electrophoresis C4D Platform (ET225)

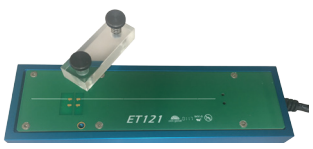


Platform for Micronit microfluidic chips with integrated C4D electrodes. This C4D platform is compatible wiith the ER225 Data system and the ER430 High Voltage sequencer.
Suitable for use with 45mm ET145-4 and 90mm ET190-2 micro chips.

Octal Headstage (ET128)

The ET128 Octal head stage can be used with disposable pipettes, capillaries, NMR tubes and other suitable tubular sample holders. *This unit is not a standard product* and requires adaptation to customer applications at time of order. This unit is controlled by an ER815 C4D Single Channel Detector System and is supported by a set of serial commands to configure the system and acquire the experimental data.
Contact eDAQ to discuss potential applications.

Microchip Platform with C4D Electrodes (ET121)



The ET121 is used as a C4D detector for microchip based electrophoresis and other experiments. C4D can be used for virtually all charged species: inorganic anions and cations, as well as organic ions, such as carboxylic acids, amines, amino acids, peptides, proteins, DNA fragments, antibiotics and many other pharmaceutical compounds. It has been tested and qualified for use with specific ChipShop microelectrodes.
Contact eDAQ to discuss potential applications.

Electrodes, Sensors & Accessories

eDAQ has a range of electrodes, sensors and accessories to complement and support our systems. These include a range of disc and screen printed electrodes for voltametric experiments. We also have a selection of sensors for measuring temperature, pH, conductivity and oxygen. The electrode polishing kit accessory (ET030) provides the means to clean and repolish voltametric electrodes that can maintain and improve the quality of the acquired experimental data.

EChem Electrode Kit (ET014)

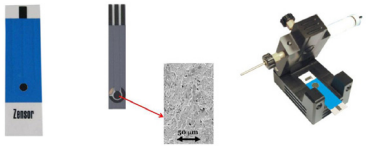
The EChem Electrode Kit (ET014) contains three working electrodes (gold, platinum and glassy carbon), reference and auxiliary electrodes, plus reaction vials /stirrers, cell holder and a stand.

Reference Electrodes

Leakless Electrodes (ET069/ET072) are constructed with a plastic body which is suitable for electrochemistry research and teaching. The leakless electrodes are completely leakless and will not contaminate your sample with chloride or silver ions. Refillable Ag/AgCl reference electrode (ET073) has an electrode body that is made of PTFE tubing which is highly resistant to most chemicals and is suitable for electrochemistry research and teaching. A larger refillable Ag/AgCl electrode (ET054) has a 6mm Dia glass body. The Hydroflex Hydrogen Reference Electrode (ET070) has a replaceable hydrogen producing cartridge.

See latest nanotude based Mini Reference Electrode ET1613

Screen-Printed Electrodes



A range of Kanichi and Zensor screen-printed electrodes, with working, reference and auxiliary electrodes on one strip. Available with different working electrode materials. They can be used as low cost disposable electrodes for teaching experiments or for routine analysis. Kanichi screen printed electrode adaptor (ET099) ensures reliable electrode configuration. Flow cells are available on request.

Voltammetric Disk Electrodes

eDAQ supplies a variety of 1 mm diameter disk electrodes encased in 3 mm outer diameter OD diameter PEEK (polyetheretherketone) bodies, and 3 mm diameter disk electrodes encased in 6 mm OD PEEK bodies.
They are ideal for electrochemical voltammetric experiments such as cyclic voltammetry, square wave voltammetry, etc, where they are used as a 'working electrode' connected to a potentiostat. The electrodes can be used in aqueous as well as most organic solvents (including methanol, ethanol, acetonitrile, dimethyl sulfoxide, dichloromethane, propylene carbonate, and tetrahydrofuran).

Inert Wire Electrodes

Inert wire electrodes (ET078) 70 mm long and (ET086) 150 mm long, are 1.6 mm diameter titanium rods with a 2.5 micron coating of platinum. Platinum Plate electrode (ET055) features a glass body for good chemical resistance.
They are very resistant to corrosion and can be used as a miniature anode, cathode, or auxiliary electrode in many electrochemistry experiments.

Probes for Temperature, pH, Conductivity and Oxygen

A range of electrodes and sensors for measuring:

- temperature thermocouples, thermistors & RTD probes.(ET1400,ET405,ET020, ET021)
- pH and oxidation/reduction potential.(ET042, ET044, ET060, ET5733)
- conductivity 'dip in' or flow-through probes.(ET901,ET902,ET903,ET908,ET915,ET916)
- oxygen: galvanic or polarographic probes.(ET1115, ET1120, ET117)

Software Applications

eDAQ has a selection of software for different applications. We will help you chose the software that best suits your needs. The software can be purchased individually or as part of a package. For example, e-corder systems include both Chart and Scope software, while PowerChrom Systems includes the PowerChrom software.

Chart Software and Scope Software (ES500)

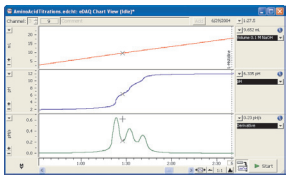
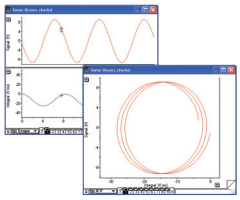
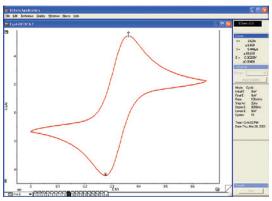


Chart software provides an intuitive data acquisition interface for e-corder units (p.3). Signals on multiple channels are simultaneously recorded in a series of adjacent blocks, within the one file, as you start and stop recording. Many calibration, annotation, and signal analysis features are included including the display of transformed signals on extra 'virtual channels'. As well, there are specialised software plug ins, 'Chart Extensions' available to download from eDAQ website at NO additional charge



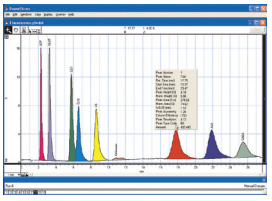
Scope software acquires data in a series of sweeps (or 'pages') within the one file. These sweeps can be overlayed to compare results from one sweep or you can average the signal from successive sweeps (to increase signal-to-noise levels) or subtract a 'baseline' sweep from others, or apply various mathematical transforms. Scope software can be used in place of XY, XYT plotters, or oscilloscopes.

EChem Software (ES260)



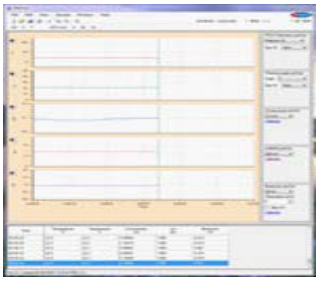
EChem software controls the collection, display and analysis of data from electroanalytical voltammetric experiments. EChem is fully compatible with the eDAQ range of potentiostats (page 4). When used with an e-corder unit (page 3), many older third-party potentiostats can be upgraded to the full range of EChem techniques including cyclic, square wave, normal pulse, and differential pulse voltammetry and their stripping voltammetric equivalents.

PowerChrom Software (ES280)



PowerChrom software is used for the collection, display and analysis of chromatographic data. It's the ideal data acquisition system for upgrading your GC, HPLC or IC instrument. Throw away integrators, chart recorders and DOS-based systems. The software can collect signals from one or two detectors. Easily create reports or copy and paste your data to third party software for publishing. Supplied with PowerChrom 180R and 181R systems or optionally with e-corder systems.

Pod-Vu Software (ES350)



Pod-Vu software enables your Windows PC computer to calibrate, display, and store signals from up to eight eDAQ USB isoPod channels. Features include: Selectable gain ranges/Units conversions/Setting data recording speeds/Sensor/ Electrode Calibration/Y-Axis Scaling/Fixed duration recording/Signal Zoom and DVM output plus many others.

Utilities & Tools

eDAQ provides a number Utilities and Tools in support of our systems.

C4D Profiler

This Utility exercises a C4D system over a user specified range of excitation frequencies and levels in order to estimate the most appropriate operating regime.

C4D Configurator

This utility is like an instrument control panel and allows a user to set up all the operating parameters of a C4D system prior to its use by third party software.

Quad HV Sequencer

This utility provides full control of the High voltage sequence generated by the ER430 HV Sequencer it includes a visual representation of the microchip and the applied voltages and currents.

ER8x5 Converter & Updater

Converts the internal firmware of an ER8x5 unit to allow use of high level applications such as chart or PowerChrom and simultaneously updates to the latest version.

ER8x5 Normalisation Utility

Normalisation Utility computes the normalisation coefficients to linearise the ER8x5 sytem output.

You can find training videos, application and teaching notes and answers to Frequently Asked Questions.

You can download manuals and the latest version of eDAQ software at *www.edaq.com/help.*

Our wiki page at *https://www.edaq.com/wiki/Main_Page* could also prove useful.

Latest!! Modular & Miniature Carbon Nanotube Technology Ion Selective Electrodes

ET1632 Modular single ISE system with more than 17 inserts types including pH, reference and ISE's.

ET1615 ISE Inserts for the ET1632.

ET1613 Mini Reference Electrode.

ET1601 Mini Ion Selective Electrodes more than 17 ions.

OEM Opportunities

eDAQ has a number of products that can be adapter for OEM applications. A brief outline of systems that can be adapted to customer applications are described below.
Contact eDAQ to discus possible applications.

Minicorder

1 or 2 channel recorder supported by powerful Chart software. Single board (120mm x 160mm) USB powered system. A powerful and flexible recording and analysis tool.

PowerChrom System

A single board 1 or 2 channel USB based Chromatography Data system supported by a powerful and reliable chromatography analysis system.

isoPods

Single board (85mm x 50mm) isolated sensor conditioning couplers. Available with analog output or USB based serial command interface. Either USB powered or a +5 volt supply.

Potentiostat EA165

A single board (180mm x 240mm) potentiostat suitable for connection to an external controller. Provides a full function potentiostat with20nA to 400mA range with +/- 10 Volt compliance.

C2D monitor EP359

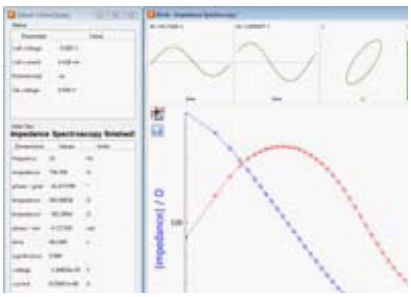
A single board (100mm x 160mm) C4D monitor. Nominal +12 Volt supply supports 380/800/1600 and 3200 um OD tubing. Both USB and serial (RS232C) protocol available.

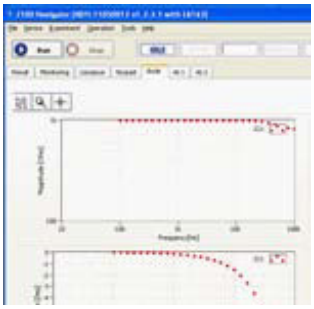
C4D detector ER815-OEM

A single board (100mm x 160mm) C4D Detector supporting ET120 and ER13x headstages. Includes a second detector input. Both USB and serial (RS232C) protocol available.

Electrochemical Impedance Spectroscopy The latest!!

We have a number of EIS systems suitable for many applications. Contact eDAQ for the latest up to date information on specialised high performance Impedance Spectroscopy systems, including advanced photoelectrochemical systems. Performance up to 12MHz and 10 Amps and specialised applications in single and multichannel battery, fuel cells and solar cells arrays and optically induced fast transient analysis.





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Local Distributor

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