



EasyLog is a range of miniature datalogging instruments. EL-1, EL-2 and EL-2-IR are capable of measuring, displaying and recording various parameters (temperature, humidity, voltage etc.) over an extended period of time, when connected to a suitable sensor. EL-LITE is an environmentally protected temperature-only module. The collected data can be transferred to a computer for printout and analysis. EL-WIN software allows the EL-1, EL-2 and EL-2-IR modules (use EL-WIN-LITE for the EL-LITE module) to be controlled via an RS 232 port on a PC running Windows 3.1 software. The program configures the datalogging module and provides extensive facilities for graphing and analysing the collected data. After being configured, an EasyLog module may be disconnected from the PC to operate as an independent unit. An evaluation kit, based around EL-2 and a K-type temperature probe is also available. EL-2-IR features Infrared communications, allowing the data logger to be configured and downloaded using a PC with an IR port or using an EL-LINK-IR order code 202-046 (RS232 to IR converter module)

- Data logger modules supplied complete with 3.6V Lithium battery bezel (EL-1) and environmental protection (EL-LITE)
- Easy to use Windows software (supplied on 3.5" disk) is supplied with communications cable
- Daisy-chain upto 8 modules (EL-1 and EL-2 only) on one RS232 port via Easylink cables
- Infrared communications (EL-2-IR)
- Built-in LCD shows latest recorded reading
- Readings are safely stored in non-volatile memory
- Hi and Lo programmable alarm levels
- Delayed start, push-to-start and start-on-battery-insert options independently
- Graph up to 3 data files simultaneously
- Logged data can be exported to most popular spreadsheets
- Evaluation kit comprises EL-2 module, EL-WIN software, K-type temperature probe and comprehensive manual
- Software calibration

Battery life	Up to 3 years (dependent on sample rate and input mode)	
Memory size	Up to 8000 readings	
Sample Rate	5 seconds to 12 hours	

Input	Range	Resolution
Temperature	-25 to +200°C	1°C (factory default setting)
Humidity	5 to 95%RH	1%RH
pH	0 to 14pH	0.1pH
Voltage	0 to 2V	0.01V
	0 to 20V	0.1V
Current	0 to 2A	0.01A
Rate count	0 to 255 counts per logging interval	
Frequency	40 to 400Hz	

FOR SUITABLE ENCLOSURES FOR EL-1 SEE **ORDER CODES 465-951** (EASYLOG BATTERY NOT USED AND **465-963** (EASYLOG BATTERY USED) **PAGE 639**.
 FOR SUITABLE TEMPERATURE SENSORS, SEE K-TYPE SENSORS, PROBES, **SECTION 45**
 FOR SUITABLE HUMIDITY SENSOR, SEE **ORDER CODE 414-669 SECTION 45**

	Mftrs. List No.	Order Code	1+	5+	10+	25+
Panel Mount Module	EL-1	897-929				
Cased Module	EL-2	897-930				
Cased IR Module	EL-2-IR	201-571				
Envir. Protected Module	EL-LITE	897-942				
Software & Comms. Cable (EL-1 and EL-2)	EL-WIN	897-954				
Software & Comms. Cable (EL-LITE)	EL-WIN-LITE	897-966				
Networking Cable (EL-1 & EL-2)	EASYLINK	897-978				
Evaluation Kit (EL-2 based)	EL-EVAL-2	897-980				

Mini Data Logger
ACR/JR



A self contained information logger that provides a simple and low cost method of recording temperature. All units come complete with software

- Single channel, low cost
- 8K memory size (with compression up to 32K)
- 8 bit resolution
- Self powered, 5 year internal Lithium battery
- Plugs into a PC comms port, software will automatically find the logger and display time based graph
- Temperature displayed on a scrolling window that permits detailed analysis

- Sample rate of one reading every 2 minutes
- PC requirements IBM PC or 100% compatible Microsoft Windows 3.1 or later, Windows 95 or NT
- Magnetic backing for quick mounting

Temperature range	-40°C to 85°C
Sampling method	First-in, First-out
Clock accuracy	±2 seconds per day plus one sampling interval

ACR

T477

	Order Code	1+	5+	10+
ACR/JR logger	493-429			

SE1X2 Series
Servogor Chart Recorders



The SE1X2 single and dual channel recorders are a new design with advanced features for minimum cost.

- 200m Chart width
- 18 calibrated input ranges
- Pen synchronisation as standard on dual channel models
- Reliable toothed belt drive
- Large easy to use controls
- Easy to load paper and pens
- Standard 4mm input sockets
- NORYL outer case, easy to wipe clean

- Supplied with adaptor
- SE122 - additional features**
- Electronic pen lift
 - Xt and Xy operation
 - Protocol printout (date, time and settings)
 - Serial interface with real time clock

SE1X2:	Range 1mV to 50Vdc	Maximum input 50V dc relative to earth	Pen speed 40cm/s
SE122DC:	Range 1mV to 500V dc, -50 to 1000°C	Maximum input 300V dc	Pen speed 40cm/s
SE122AC:	Range 600mV to 600V ac/dc, 6mA to 6A ac/dc 0 to 1000°C	Maximum input 380V ac on 300V range, 600V on 600V range	Pen speed 40cm/s

T487

	Order Code	1+	5+	10+
SE102-01 Single channel dc input	311-8368			
SE102-02 Dual channel dc input	311-8370			
SE122DC-02 Dual channel dc input	311-8393			
SE122AC-02 Dual channel ac input	311-8411			
SE102 Paper Rolls (pk)1	311-8400			
SE122 Paper Rolls (pk)1	311-8423			
Red pens (pk)3	311-8344			
Blue pens (pk)3	311-8356			

SE110/SE111 series
Servogor Chart Recorders



A range of small and portable A4 size recorders that can be either mains or battery powered. The single channel version includes a 3½ digit LCD to indicate measured variables. Paper speed can be varied from from 1cm/h to 60cm/min to cover a wide range of applications.

- Single channel voltage range 150mV to 750V dc (SE111), 1mV to 500V to 500V dc (SE110)
- Dual channel voltage range 150mV to 300V and 150mV to 750 ac/dc (SE111)
- Current ranges 0.6m to 6A ac/dc (SE111)
- 0.5s pen response
- 100mm chart width
- Automatic pen lift

T488

	Order Code	1+	5+	10+
SE110-01 Single channel dc input	311-8289			
SE110-02 Dual channel dc input	311-8290			
SE111-01 Single channel ac/dc input	311-8307			
SE111-02 Dual channel ac/dc input	311-8319			
SE110 Paper Rolls (pk) 1	311-8320			
SE110 Paper Rolls (pk) 1	311-8332			
Red pens (pk) 3	311-8344			
Blue pens (pk) 3	311-8356			