

DATA LOGGERS

PANEL MOUNTED & CASED PORTABLE 8 & 12 BIT DATA LOGGERS



A versatile range of 8 and 12 bit battery powered data loggers, capable of measuring, displaying and recording voltage, current, temperature and other parameters with a suitable sensor. To complement our range of data loggers, a handheld controller / data collector and infra-red accessories are available.



8 Bit (256 steps) Data Logger

Stock No.

EL-1

- 3½ digit LCD, displays most recent reading
- Configurable via EL-WIN software*
- Up to 8 units can be networked
- Panel mounted (700 Series style)
- Cable connection to PC or EL-HL
- On-board temp. sensor: -10 to +50°C
- Screw terminal sensor connection

- Temp. probe range: -25 to +200°C



K-TYPE PROBE



8 Bit (256 steps) Data Logger

Stock No.

EL-2

- 3½ digit LCD, displays most recent reading
- Configurable via EL-WIN software*
- Up to 8 units can be networked
- Push-to-start / push-to-log button
- Cased portable unit
- Phono jack sensor connection supplied
- Cable connection to PC or EL-HL
- On board temp. sensor: -10 to +50°C

- Temp. probe range: -25 to +200°C



K-TYPE PROBE-P



12 Bit (±1999 counts) Data Logger

Stock No.

EL-1-12BIT

- 3½ digit LCD, displays most recent reading
- Configurable via EL-WIN software*
- Up to 8 units can be networked
- Panel mounted (700 Series style)
- Screw terminal sensor connection
- Cable connection to PC or EL-HL

- Temp. probe range: -50 to +250°C



PT-TYPE PROBE



12 Bit (±1999 counts) Data Logger

Stock No.

EL-2-12BIT

- 3½ digit LCD, displays most recent reading
- Configurable via EL-WIN software*
- Up to 8 units can be networked
- Push-to-start / push-to-log button
- Cased portable unit
- Sensor connector supplied
- Cable connection to PC or EL-HL

- Temp. probe range: -50 to +250°C



PT-TYP PROBE-D



12 Bit (±1999 counts) Dual Channel

Stock No.

EL-3-12BIT

- 2x 3½ digit LCD, displays most recent reading
- Dual channel
- Configurable via EL-WIN software*
- Up to 8 units can be networked
- Panel mounted (700 Series style)
- Screw terminal sensor connection
- Cable connection to PC or EL-HL

- Temp. probe range: -50 to +250°C



PT-TYPE PROBE



12 Bit (±1999 counts) IP67 Data Logger

Stock No.

EL-IP67-12

- 3½ digit LCD, displays most recent reading
- Configurable via EL-WIN software*
- Push-to-start / push-to-log button
- IP67 rated unit
- Mating connectors supplied
- Cable & infrared connection to PC or EL-HL

- Temp. probe range: -50 to +250°C



PT-TYPE PROBE

* PC requires EL-WIN software

Note: Not compatible with EL-HL

FOR A FULL PRODUCT DATA SHEET, PRICING AND ON-LINE STORE VISIT:

www.lascarelectronics.com





8 Bit (256 steps) InfraRed Data Logger

Stock No. **EL-2-IR**

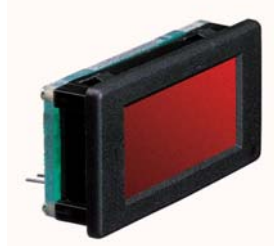
- EL-2 data logger with infrared communications
- See EL-2 for full specification



RS232 to Infrared Converter

Stock No. **EL-LINK-IR**

- Powered directly via RS232 port
- Industry standard half duplex comms.
- Baud rate: 9600
- Up to 1 metre communication distance



Panel Mounted Infrared Communicator

Stock No. **PANEL-IR**

- Connects to Micro-controller, UART or EasyLog module
- Industry standard half duplex comms.
- Baud rate: 9600
- Up to 1 metre communication distance

Data Logger Control Software

Stock No. **EL-WIN**

- Windows™ 98, 95 or 3.1
- User friendly menu system
- Data logger configuration tool
- Graphing Facilities
- Data can be exported to popular spreadsheets including Excel™

Data Collection / Configuration Tool

Stock No. **EL-HL**

- User friendly operating menu
- Configure & calibrate data loggers
- Can store data from up to 8 loggers
- View logged data on integral screen
- Send data to a PC to graph & Analyse*
- Non-volatile memory
- Battery: 2 x 1.5V AA size
- InfraRed and cable connection

* PC requires EL-WIN software



Dimensions	EL-1	EL-2	EL-2-IR	EL-1-12BIT	EL-2-12BIT	EL-3-12BIT*	EL-IP67-12
Digit height	12.7mm 0.5"	12.7mm 0.5"	12.7mm 0.5"	12.7mm 0.5"	12.7mm 0.5"	6.4mm 0.25"	12.7mm 0.5"
Panel cut-out (W x H)	62.0 x 32.0mm 2.44 X 1.26"	-	-	62.0 x 32.0mm 2.44 X 1.26"	-	62.0 x 32.0mm 2.44 X 1.26"	-
Bezel (W x H)	64.5 x 34.5mm 2.54 x 1.36"	-	-	64.5 x 34.5mm 2.54 x 1.36"	-	64.5 x 34.5mm 2.54 x 1.36"	-
Case (W x H x D)	-	70.0 x 54.0 x 26.0mm	70.0 x 54.0 x 26.0mm	-	70.0 x 54.0 x 26.0mm	-	80.0 x 85.0 x 52.5mm 3.07 x 2.91 x 2.05"

Measurement Ranges	Resolution / Accuracy							
Temp.: -10 to +50°C (OB)	1°C / ±1°C	1°C / ±1°C	1°C / ±1°C	-	-	-	-	-
-25 to +200°C (K)	1°C / ±1°C	1°C / ±1°C	1°C / ±1°C	-	-	-	-	-
-200 to +200°C (P)	-	-	-	0.1°C / ±0.5°C	0.1°C / ±0.5°C	0.1°C / ±0.5°C	0.1°C / ±0.5°C	0.1°C / ±0.5°C
-200 to +850°C (P)	-	-	-	1°C / ±1°C	1°C / ±1°C	1°C / ±1°C	1°C / ±1°C	1°C / ±1°C
Humidity: 5 to 95% RH	1%RH / SD	1%RH / SD	1%RH / SD	-	-	-	-	-
PH: 0 to 14pH	0.1pH / SD	0.1pH / SD	0.1pH / SD	-	-	-	-	-
Voltage: 0 to ±200mVd.c.	-	-	-	100µV / ±0.05%	100µV / ±0.05%	100µV / ±0.05%	100µV / ±0.05%	100µV / ±0.05%
0 to ±2Vd.c.	0.01V / ±1%	0.01V / ±1%	0.01V / ±1%	1mV / ±0.05%	1mV / ±0.05%	1mV / ±0.05%	1mV / ±0.05%	1mV / ±0.05%
0 to ±20Vd.c.	0.1V / ±1%	0.1V / ±1%	0.1V / ±1%	10mV / ±0.05%	10mV / ±0.05%	10mV / ±0.05%	10mV / ±0.05%	10mV / ±0.05%
Current: 4 - 20mAd.c. (OB)	-	-	-	16µA / ±0.1%	16µA / ±0.1%	16µA / ±0.1%	16µA / ±0.1%	16µA / ±0.1%
Frequency: 40 to 400Hz	N.A. / ±2Hz	N.A. / ±2Hz	N.A. / ±2Hz	-	-	-	-	-
Rate count: 0 to 255	1 Unit / N.A.	1 Unit / N.A.	1 Unit / N.A.	-	-	-	-	-

Specification								
Operating temp. range	-10 to +50°C	-10 to +50°C	-10 to +50°C	-10 to +50°C	-10 to +50°C	-10 to +50°C	-10 to +50°C	-10 to +50°C
Battery	3.6V ½AA Lithium	3.6V ½AA Lithium	3.6V ½AA Lithium	3.6V ½AA Lithium	3.6V ½AA Lithium	3.6V ½AA Lithium	3.6V ½AA Lithium	3.6V C-size Lithium
Memory	8,000 Readings	8,000 Readings	8,000 Readings	8,000 Readings	8,000 Readings	8,000 Readings	8,000 Readings	8,000 Readings
Logging rate	5 sec. to 12 hours	5 sec. to 12 hours	5 sec. to 12 hours	5 sec. to 12 hours	5 sec. to 12 hours	5 sec. to 12 hours	5 sec. to 12 hours	5 sec. to 12 hours

* Specifications apply to each channel SD = sensor dependent (OB) = on-board (K) = K-type (P) = Pt100

Please note that all specifications are correct at time of print. The Company reserves the right to change any specification, typographical, clerical or other error or omission without any liability on the part of the company.

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