

Applications

Diagnostics and predictive maintenance: By collecting data on currents and voltages, these tools help to identify potential problems before they become critical (e.g. overheating, overloading, etc.).

Power quality monitoring: To detect anomalies such as voltage surges, voltage dips or current fluctuations that can damage equipment or affect the performance of electrical installations.

Energy consumption management: Data loggers can be used to monitor and analyse energy consumption in buildings or industrial installations, in order to optimise energy efficiency.

Compliance studies: To check that electrical installations comply with local or international power quality standards (e.g. IEC standards).

Sale arguments

- Choice of storage modes
- Choice of sampling frequencies
- 1500V DC voltage range for photovoltaic applications
- Easy to use
- Automatic report generation
- Fast or extended recording mode

Specifications

Model	L461
Mesures	
Channel number	1
Voltage range	From 10 to 1 200 V ac From 10 to 1 700 V dc
Frequency	Yes
Descriptions	
Display	Backlight LCD
Memory size	8 Go
Acquisition speed	1 measure / s
Aggregation	From 1 to 60 min
Communication	USB, Wifi, Web server, IRD server DataView Synchron
Alimentation	3 batteries AA, or USB
Battery life	3 days recording without Wi-Fi
Shock-proof sheath	option
Size	147 x 34 x 72 mm
Weight	350 g
Used temperature	From -20°C to 50°C
Protection	IP54
Electrical safety	600 V CAT IV 1 000 VAC CAT III 1 500 VDC CAT III

References

L461 P01 1571 82
Data Logger® L461 (AC and DC voltage single channel)

Supplied with 2 m USB type A to micro USB cable, USB power adapter, 3 x 1.5 V type AA alkaline batteries, safety plug, CE plug, crocodile clips kit, banana cords kit.

DataLogger Transfer software and multilingual user manual can be downloaded from our website.

AC and DC voltage Data Logger® Model L461

Sales Guide



L461

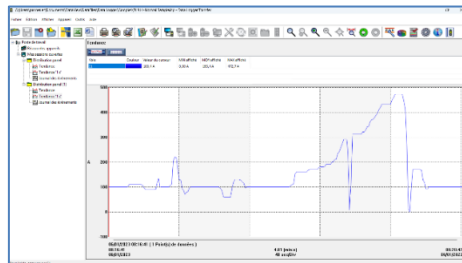
- 1 channel voltage measurement
- Measures 1 000 V AC
- Measures 1 500 V DC
- Can be used as remote voltage sensors
- Overload indication
- USB com port (USB cable included)
- Alarm feature
- IEC 61010 CAT IV 600V, CAT III 1000V AC et 1 500 V DC

Enregistreur Data Logger modèle L461

Display and analysis software

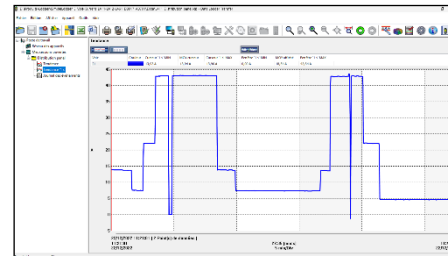
Data Logger Transfer software provides a convenient way to configure and control the logging from your computer. Using clear, easy-to-use tabbed dialog boxes, all the functions of the Simple Logger® II can be configured, and tests run.

Measurements can be displayed in real time and stored on your PC.



Data Logger Transfer display

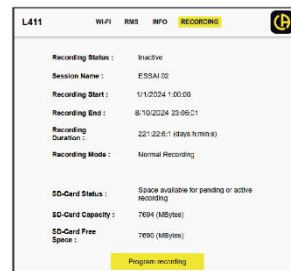
- Display and analyse data in real time on your PC
- Configure all data logging functions and parameters from your PC, including sampling rate, logging time, channel configuration, etc.
- Zoom in and out, or pan across curve sections to analyse data
- Download, display and analyse recorded data
- Create custom presentations and reports
- Print reports using standard or custom templates
- Free download of upgrades



Record

Web server

The remote user interface can be accessed from a PC, tablet or smartphone. It allows you to consult the device's information and programme a recording.



Web server display



2 record modes

Normal

This will be the mode most used by professionals, and is called 'Start/End'. In this mode, with an acquisition speed of 1 second and several aggregation speeds, you choose a start time and an end time. The data is recorded at this interval until the memory is full or the end date and time are reached. The recorder then stops recording and goes into standby mode. It stores the time-stamped start and end of recording information.

Extend

In this mode, the operator selects the storage interval and recording duration as described above, but the device goes to sleep and wakes up a few seconds before each measurement to take the measurement (without displaying it).

It takes 4 measurements per aggregation period instead of one measurement per second. Its standby time therefore depends on the aggregation period, i.e. 2 weeks for an aggregation period of 1 minute, 10 weeks for an aggregation period of 10/15 minutes.

Accessories

Shock-proof sheath	P01 6542 52
DataView software	P01 1020 95
Soft case	P01 29 80 76
Crocodile clamp	P01 2954 57Z
Magnet test leads	P01 1030 58Z
Test lead cords	P01295453Z
USB power adapter	.P01651023