

L411, L412 & L461

Voltage and current recorders

- Easy to set up and use
- Large measurement storage memory
- Measures and records up to 1500 Vdc
- Remote current and voltage sensors



CAT III
1000 V

CAT IV
600 V

CAT III
1500 V DC



IP 54

Measure up



Data loggers for industrial maintenance

Ideal for detecting any variations or anomalies in the measured signal, this series of recorders features automatic time stamping. Analysis of recorded events is simplified.



Application

The range includes 3 models

L411: current recorder with integral MiniFlex

L412: current recorder with 2 measurement channels

L461: AC and DC voltage recorder, 1 channel. Up to 1500 Vdc

The L400 Series recorder range

Quick selection guide

Modele	L411	L412	L461
1 measurement channel	•	•	•
2 measurement channels		•	
Current: 3000 A ac MiniFlex captive sensor	•		
Current : Multiple AC current sensor technology		•	
Voltage: 1000 Vac and 1500 Vdc measurement			•
Single-phase electrical distribution system	•	•	•
Single & two-phase electrical distribution system		•	



L411, a cost-effective solution



Use on a feeder, a line or an electrical circuit



L412, a versatile solution



Compatible with a wide range of current sensors
Automatic recognition of the connected sensor



L461, dedicated voltage monitoring solution



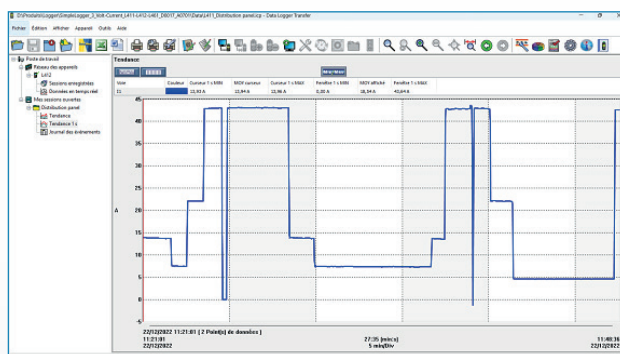
Perfectly suited to measurements on photovoltaic installations

Software



Datalogger Transfer, the software dedicated to data processing

- Retrieval of recorded measurements: graphical representations or in the form of a table of values, with the option of exporting to Excel format,
- Real-time monitoring of measurements.
- Device configuration (selection of current sensor measurement range, network electrical frequency, modification of device access passwords, etc.).



Signal trend, recording representation

Communication



Our devices act as remote sensors for measuring voltage and current.

This means they can be used in a number of applications:



WiFi

The recorders have 2 Wifi operating modes. They can be connected to the company's IT network via a server. They can be addressed directly by a PC or smartphone.

IRD DataView® Synch

A secure server is at your disposal so that you can consult your data from anywhere in the world.



USB

A USB connection allows you to configure or download data, but above all to take control of a device in any circumstance.



Embedded web server for operation with Android and iOS

Wi-Fi enabled instruments incorporate a web server to allow control and display via a web browser.

Main features of the web server :

- Real-time display
- Trend recording
- Configuration (included for language with a flag)

Measurement campaign configuration screen

TECHNICAL SPECIFICATIONS

Model	L411	L412	L461
Measurements			
Number of channels	1	2	1
Range	From 0.5 to 3000 A ac	Depending on sensor(s)	From 10 V to 1200 Vac / 1700 Vdc
Frequency	Yes		
Description			
Display	LCD backlit		
Memory size	8 GB		
Acquisition speed	1 measurement / s		
Aggregation	1 to 60 min		
Communication	USB, Wifi, Web server, IRD server DataView Synch		
Power supply	3 piles AA, ou USB		
Battery life	3 days recording without Wi-Fi		
Shock-proof sheath	Option		
Dimensions	147 x 34 x 72 mm	177 x 34 x 72 mm	178 x 34 x 72 mm
Weight	340 g approx.	300 g approx.	
Sensor	Ø 100mm / 350mm cable length 1,2 m	-	
Operating temperature	-20°C to 50°C		
Protection	IP 54		
Electrical safety	600 V CAT IV 1000 V CAT III	600 V CAT IV 1000 V CAT III	600 V CAT IV 1000 V CAT III 1500 Vdc CAT III

TO ORDER AND DELIVERY STATUS

L411.....P01157180
Current logger supplied with USB-micro USB cable, USB mains adapter, data transfer and management software (1), 3 batteries (AA or LR06), multi-language quick start guide, test report and multi-language operating manual (1).

L412.....P01157181
L412 current logger supplied with USB-micro USB cable, USB mains adapter, data transfer and management software (1), 3 batteries (AA or LR06), multi-language quick start guide, test report and multi-language operating manual (1).

L461.....P01157182
L461 voltage logger supplied with USB-micro USB cable, USB mains adapter, data transfer and management software (1), 3 batteries (AA or LR06), multi-language quick-start guide, 2 x 3-metre red and black 1500 V category III or 1000 V category IV banana/banana voltage leads, 2 x 1500 V category III or 1000 V category IV alligator clips (red and black), test report and multi-language operating manual (1).

(1) accessible and downloadable from our website

ACCESSORIES

Protective shell.....P01654252
Multifix S02 (120x245x60).....P01298075
Multifix compatible fixing accessory.....P01102100Z
USB to mains adapter (2 A, 5 V, 10 W USB-A).....P01651023
1.5 V LR06 battery.....P01296033
DataVIEW® software.....P01102095

For L461 :

Pair of 4mm banana cords 1.5 m red and blackP01295451Z
Set of red and black alligator clipsP01295457Z
Pair of magnetic key tipsP01103058Z
Reeling boxP01102149

For L412 ,current sensors as for Qualistar and PEL :

MN93 clamp.....P01120425B
MN93A clamp.....P01120434B
C193 clamp.....P01120323B
MINI94 clamp.....P01106194
MiniFlex MA194 250 mm.....P01120593
MiniFlex MA194 350 mm.....P01120592
MiniFlex MA194 1000 mm.....P01120594

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