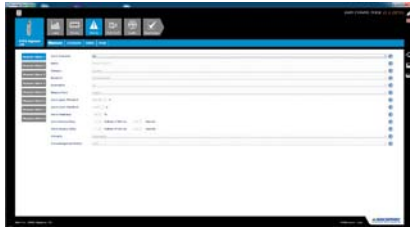




COUNTIS and DIRIS management software tools

Software suite



Easy Config software



Analysis software

Compatible with:



COUNTIS E



DIRIS A



DIRIS Digiware



DIRIS B30

Function

To get the most effective use from your Socomtec measurement and metering devices, we can provide dedicated software tools:

Easy Config software

The Easy Config software enables quick and easy remote device configuration for DIRIS Digiware, DIRIS B, DIRIS G, DIRIS BCMS 720, COUNTIS E and DIRIS A devices. Configuration files can be copied from and sent to these devices, or they can be created without communication and sent at a later time.

Multiple devices can be configured from a single file which is especially useful for OEMs and panel builders, saving time when having to program many devices with the same configuration.

Analysis software

On the basis of an event log and the displayed curves, the Analysis software allows the analysis and extraction of quality data, as well as fault current monitoring (Residual Current Monitoring).

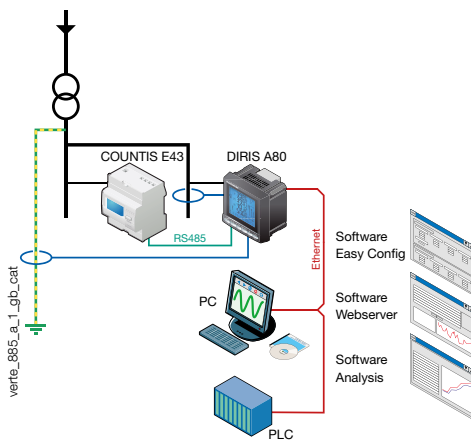
Webserver function

The DIRIS A's optional Ethernet modules integrate HTML pages, enabling the Webserver function to be directly accessed through a standard web browser (Internet Explorer, Firefox...), eliminating the need for software installation.

The Webserver function enables:

- monitoring of electrical values,
- viewing of energy consumption,
- managing alarms,
- configuration of the main parameters of installation
- viewing and extracting load curves (through a .CSV file).

Principle diagram



	Easy Config	Webserver	Analysis	WEBVIEW See Page 615	HYPERVIEW See Page 616
COUNTIS E with RS485 communication	•	• ⁽¹⁾		•	•
COUNTIS Eci	•	• ⁽¹⁾		•	•
DIRIS A10, A14, A17 and A20 with RS485 communication	•	• ⁽¹⁾		•	•
DIRIS A40 with RS485 communication	•	• ⁽¹⁾		•	•
DIRIS A40 with Ethernet communication module	•	•		•	•
DIRIS A60 and A80 with RS485 communication module	•	• ⁽¹⁾	•	•	•
DIRIS A60 and A80 with Ethernet communication module	•	•	•	•	•
DIRIS B	•			•	•
DIRIS Digiware	•			•	•
DIRIS G	•			•	•
DIRIS BCMS 720	•	•			•

(1) through DIRISA fitted with an Ethernet communication module with RS485 gateway.

Easy Config software

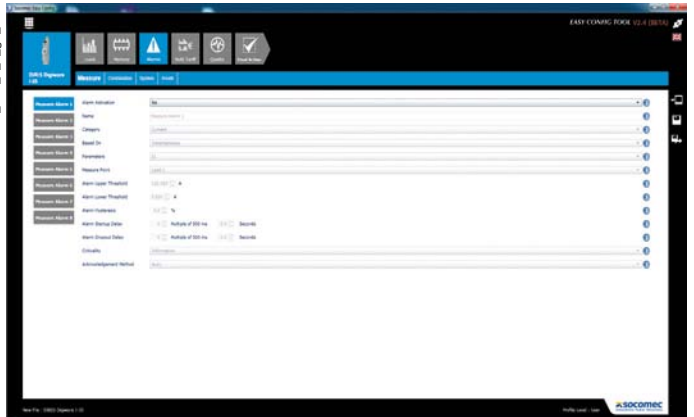


The Easy Config software enables quick and easy remote configuration of DIRIS Digiware, DIRIS B, DIRIS G, DIRIS BCMS 720, COUNTIS E and DIRIS A devices.

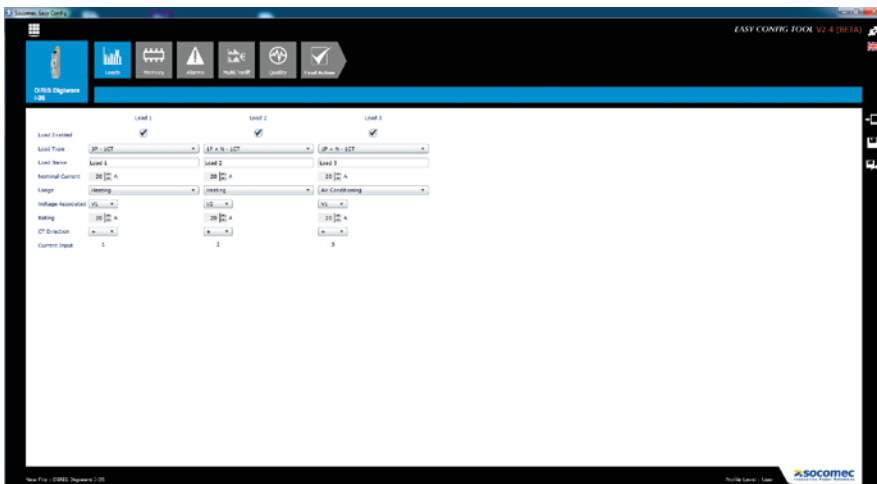
It offers the following functions:

- Creating the configuration of devices prior to their connection (configuration template).
- Saving a configuration to a PC.
- Loading the configuration to devices through USB, RS485 or Ethernet.
- Retrieving the configuration of a device through USB, RS485 or Ethernet for saving, copying or modification purposes.

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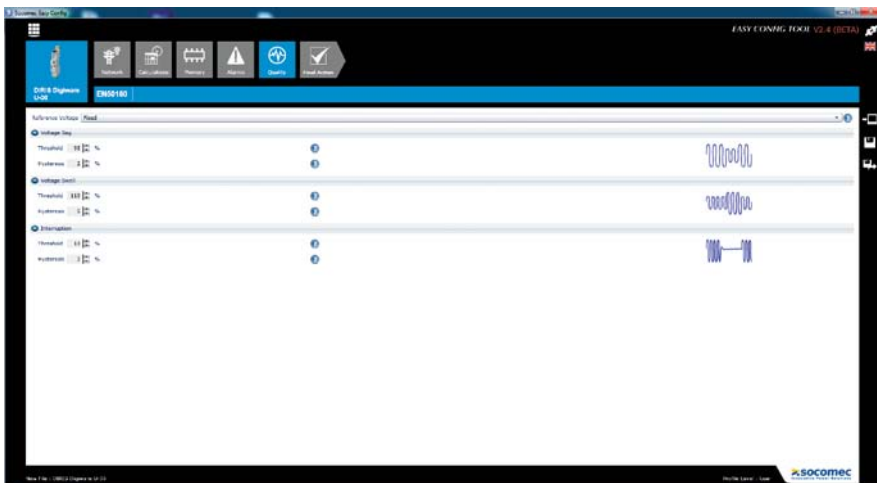


Configuration of loads



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Configuration of Quality events



diris_884_b_1_gb_cat

COUNTIS and DIRIS

management software tools

Analysis software

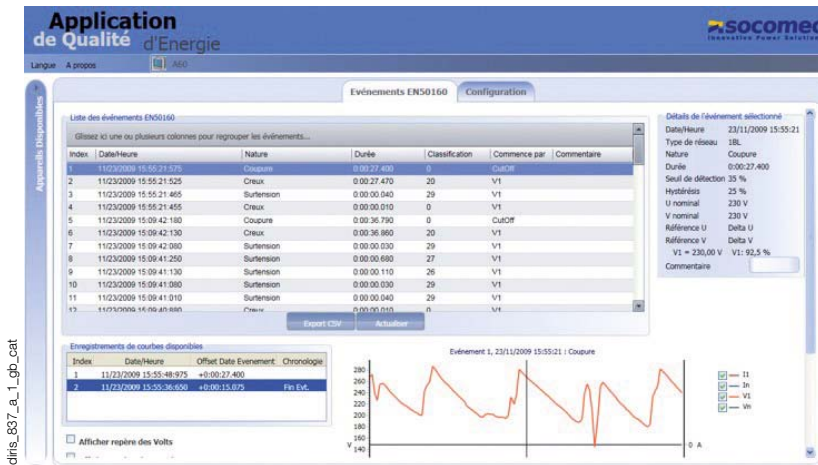
Improvement to the reliability of your electrical installation can be achieved with this software through the analysis of displayed event curves generated from the event log.

It offers the following functions:

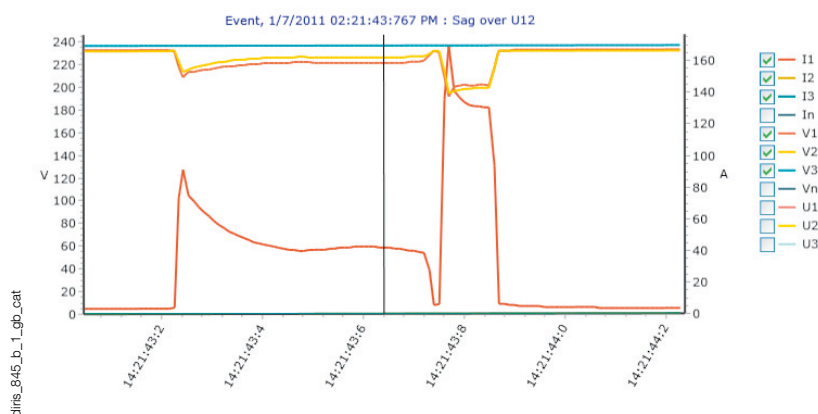
- A list of voltage dips, cut-offs, overvoltages and overcurrents.
- A list of alarms $I\Delta n$ and I_{PE} for DIRIS A80.
- A display of 10 curves (3V, 3U, 3I, In) linked to the event with a zoom functionality.
- The classification of events according to the EN 50160 standard.
- Exporting of pictures or curve files.

This software can be connected to the DIRIS using either an RS485 MODBUS or Ethernet communication module. The Analysis software can be downloaded from the SOCOMEC website: www.socomec.com

Event log



Event display and analysis



Webserver function



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DIRIS A Ethernet communication module with RS485 gateway

The Webserver function comprises HTML pages embedded within the optional Ethernet communication module of the DIRIS A's multifunction meter. These pages can be accessed via an internet browser, simply by entering the DIRIS A IP address.

The Webserver offers the following functions:

- Monitoring of electrical values.
- Viewing of energy consumption.
- Management of alarms.
- Remote configuration of the main parameters for meters within the installation.
- Viewing and extracting load curves (through a .CSV file).

Instantaneous report of measurements

Valeurs instantanées

Courants		Tensions		Courants THD		Tensions THD	
L1	43.67 A	L12	414.21 V	L1	66.00 %	L12	0.70 %
L2	40.54 A	L23	412.25 V	L2	65.30 %	L23	0.90 %
L3	40.52 A	L31	416.25 V	L3	72.00 %	L31	0.60 %

Fréquence: F 80.03 Hz

Valeurs moyennées

Courants AVG		Courants max		Tensions AVG		Tensions max	
L1	45.54 A	L1	1.67 kA	L12	412.66 V	L12	424.94 V
L2	42.33 A	L2	1.54 kA	L23	410.53 V	L23	424.06 V
L3	43.32 A	L3	1.68 kA	L31	415.71 V	L31	428.31 V

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Display for viewing instantaneous and average electrical values.

Power and energy

Puissance: Valeurs des lignes

L1		L2		L3	
P	8.42 kW	P	13.78 kW	P	11.25 kW
Q	370.00 var	Q	330.00 var	Q	5.85 kvar
S	9.41 kVA	S	15.79 kVA	S	14.15 kVA
FP	0.8540	FP	0.8760	FP	0.7940

Puissance: Valeurs totales

Σ INST		Σ MAX		Σ AVG		Σ PRED	
P	33.45 kW	P+	990.28 kW	P+	0.00 W	P	32.24 kW
Q	6.45 kvar	Q+	627.55 kvar	Q+	0.00 var	Q	6.44 kvar
S	34.06 kVA	S	1.17 MVA	S	0.00 VA	S	32.88 kVA
FP	0.9810	FP	N/A	FP	N/A	FP	N/A

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Display for viewing instantaneous and average power measurements and energy consumption.

Configuration of the devices

Configuration

Configuration réseau

Type de réseau: SNBL

CT primaire (A): 125

CT secondaire (A): 5

Transfo tension présent: Non

Tp tension prim (V): 400000

Tp tension sec (V): 100

Période d'intégration

Top interne/externe: interne

Top synchro POS: 30 minutes

Max/Avg: 35 minutes

I: 30 minutes

UV: 30 minutes

P/O/S: 30 minutes

F: 30 secondes

Date/Heure configuration

Jour (1-31): 9

Mois (1-12): 11

Année (aaaa): 2011

Heure (hh-23): 16

Minute (0-59): 27

Seconde (0-59): 35

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Alarms

Instantaneous Values

Ist: 33.3600 A

Istn: 1.6000 A

Istc: 0.0000 A

Residual Current Alarm

Alarm on Istn: Active

Maximum: 1.6000 A

Threshold: 0.3360 A

Hysteresis: 0.3360 A

Alarm on Istc: Inactive

Maximum: 0.0000 A

Threshold: 3.3360 A

Hysteresis: 3.1650 A

Alarm History

Cause	Status	Date	Duration (minutes)

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The latest alarms are date and time registered. The duration and value for each alarm (low limit value / high limit value), as well as the related output alarm number, are also displayed. Data can be extracted in *.csv format.