

# DIRIS VISION software

Network  
analysis

DIRIS Am  
DIRIS A20  
DIRIS A40 / DIRIS A41  
Communication interfaces  
▶ **DIRIS VISION software**  
CONTROL VISION software  
BILLING APPLICATION software

## Functions

**DIRIS VISION** is a visualisation software for the parameters displayed by DIRIS A20, A40, A41, Ap and Am.

It operates in a Windows® environment 98, NT4 (pack 6), Millenium, 2000 or XP with a minimum micro-computer configuration requirement of: Pentium® II, 64 Mb RAM, 200 Mb of available hard disk space, one or more (RS232 or RS485) series ports, or USB, a 17" VGA 1024 x 768 screen.

## General characteristics

The **DIRIS VISION** software allows you to visualise:

- all of the electrical measurements instantaneously,
  - alarms,
  - harmonics in instantaneous,
  - energies and the indices (DIRIS A inputs).
- Allows you to export to EXCEL, for each DIRIS, the historical table:
- immediate measurements,
  - of the energies and the index,
  - the harmonics.

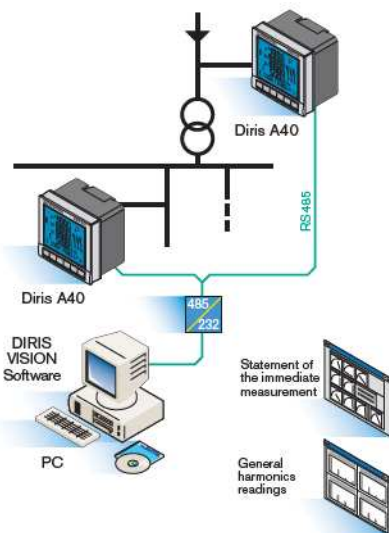
The visualisation of the immediate device values can be in an analogue or digital format.

The **DIRIS VISION** software is available in a multilingual version with the following languages:

- english,
- french,
- german,
- italian.



## Applications



**DIRIS VISION** offers the possibility of displaying all the electrical quantities measured, reading the energy consumptions of a production line or a furnace.

The user will also be able to create with EXCEL a history of electrical measurements.

All these functions can be carried out in relation to a DIRIS (corresponding to one feeder).

The standard communication protocol used by SOCOMEC allows the deployment of the products on the distribution network to be facilitated over time. A first stage consists necessarily of installing a cable suited to the RS485, and even the allocation of available pairs in an existing cable. The ease of integration and modification of the number of products on this RS485 link makes this a long-lasting solution.

## Reference

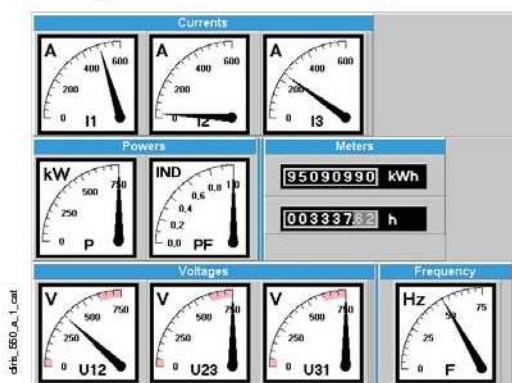
Type  
 DIRIS VISION software

DIRIS VISION  
 software

Reference  
 4806 0000

## Specification

### Analogue statement of the instantaneous measurement



Instantaneous analogue display visualisation, for each device, of:

- current by phase,
- voltage by phase,
- frequency,
- total active power,
- total power factor,
- active energy,
- hour metering.

These screens can be exported manually to EXCEL.

### Digital statement of the instantaneous measurement



Instantaneous digital display visualisation, for each device, of:

- current by phase,
- average of the 3-phase currents,
- voltages (U, V) by phase,
- average of the 3-phase voltages (U, V),
- frequency,
- power (active, reactive and apparent) by phase and total,
- power factor by phase and total,
- energy (active +/-, reactive +/- and apparent +/-),
- impulse metering inputs (DIRIS A),
- THD currents and voltages by phase (DIRIS A40 and A41).

These screens can be exported manually to EXCEL.

### General harmonics readings



Instantaneous spectral form visualisation of harmonics from rows 3 to 15 for phase currents and voltages.

These screens can be exported manually to EXCEL.

### General reading of the DIRIS measurements

The screen displays a table of measurements and alarms:

Device	Alarm	I1 (A)	I2 (A)	I3 (A)	IN (A)	U12 (V)	U23 (V)	U31 (V)	V1 (V)	V2 (V)	V3 (V)	PF
Factory 3		497.60	20.30	242.40	775.50	261.98	2517.94	2517.94	2517.94	0.00	2517.60	49
Room 13		497.60	20.30	242.40	775.50	261.98	2517.94	2517.94	2517.94	0.00	2517.60	49

Displaying of the general readings of all DIRIS present on the network:

- reading of immediate measurements and alarms (DIRIS A40 and A41),
- THD currents and voltages per phase,
- reading of the energy meters (active, reactive and apparent) and impulse meter input index (DIRIS A40 and A41).

These screens can be exported manually to EXCEL.