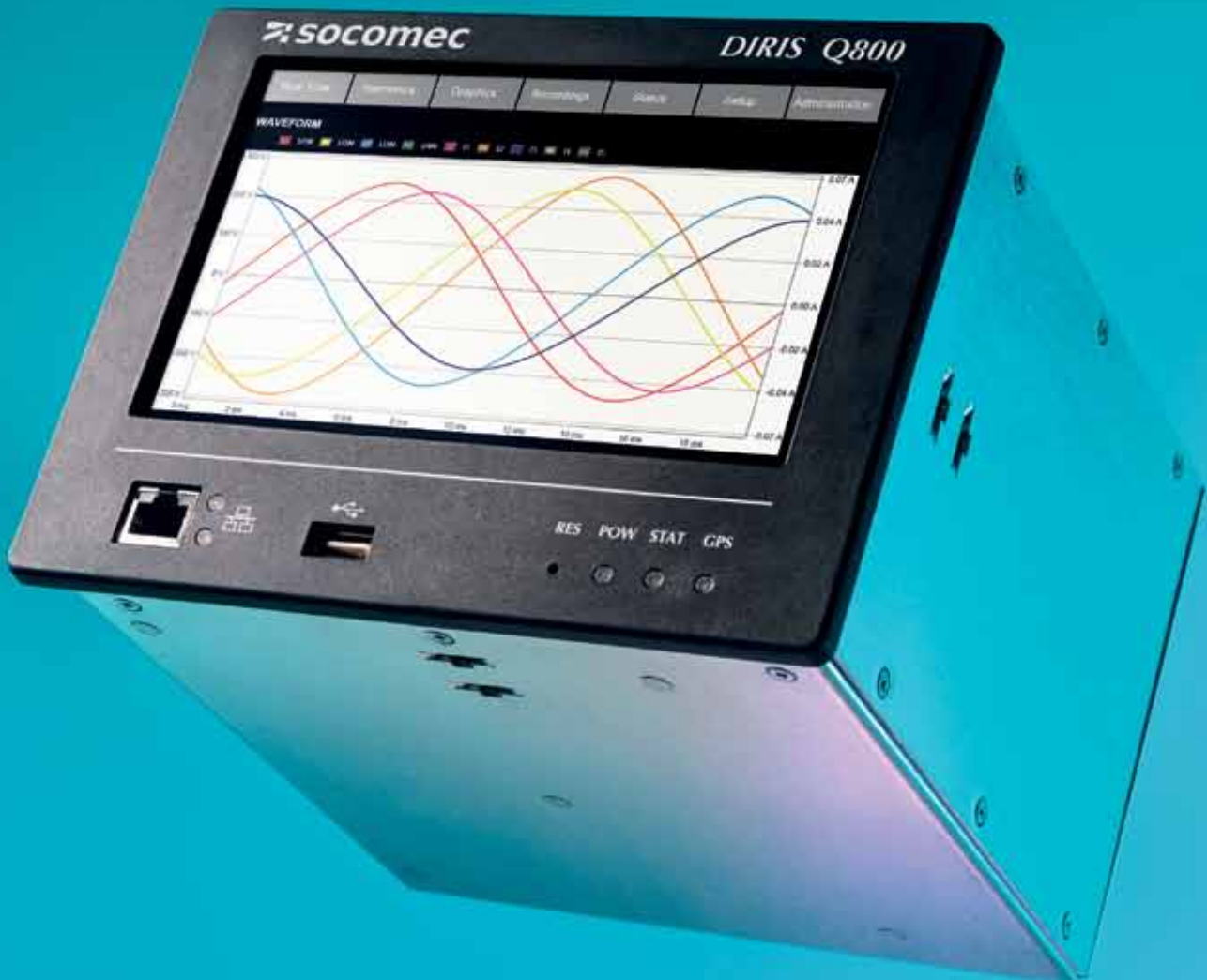




DIRIS Q800

Network analyser to monitor the power quality throughout your electrical installation



your energy
our expertise



socomec
Innovative Power Solutions

Analyse your data and improve your energy performance

The efficiency of a company depends on the quality and availability of its power network. With the DIRIS Q800 multifunctional network analyser you can monitor the quality of your electrical network to ensure continuous operation, optimise costs and minimise production losses. Designed for all energy efficiency projects, this high-end analyser measures and provides energy readings and analyses the power quality parameters of the electrical network.

Advantages



Advanced connectivity

To interface with every kind of supervision system, the unit features a number of integrated digital and analogue inputs/outputs, communication ports (WiFi, Ethernet, RS485, USB, GPS) and various protocols (SNTP, HTTP, HTTPS, FTP, Modbus TCP, Modbus RTU, PQDIF).



Secure operation

The internal battery secures the operation of the device even if power is lost. The data is stored for 1 year on its 4 GB internal memory.



Certified product

The measuring features of the DIRIS Q800 were developed to comply with standard IEC 61000-4-30 Class A. The product is also certified according to product standard IEC 62586-2 Class A, guaranteeing a top-of-the-range device.



EN50160 conformity

With the DIRIS Q800 you can compile and issue EN 50160-conformity reports. With these reports you can quickly check the quality of the energy supplied by your provider.



Top features

Many functions are available, including the analysis of transient events, flicker, unbalance, harmonics and device status signals. Monitoring the differential current lets you track the overall insulation level of your facility.

Socomec services



Socomec offers a wide range of services:

- commissioning, training, configuring and operating the DIRIS Q800,
- training on electrical energy quality,
- assessment of the data readings (PQDIF files) including analyses, statistical reports, maintenance schedules, manufacturer recommendations.

Quality audits on the energy of your electrical facilities (nuisance tripping, process interruptions, equipment failure):

- facility inspection: telephone follow-up with our helpline engineers,
- facility auditing (EMI, harmonics, neutral system, earthing, differential protection devices).

Intuitive navigation



Large colour touchscreen

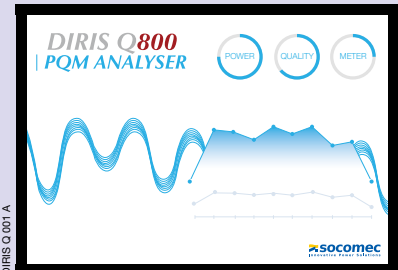
The colour touchscreen is easy and intuitive to use.



Embedded web server

The DIRIS Q800 display is identical to that of its webserver, which makes it easier to find your way around the features.

Related software



The DIRIS Q800 comes with the following related software:

- **DIRIS Q800 - EN50160 Analyser:** produces the EN50160-conformity report,
- **DIRIS Q800 Monitoring tool:** Delivers a detailed analysis of the qualimetric data provided by the device.

Functions

Accuracy	
Three-phase voltage	± 0.1 %
4th voltage (neutral / earth)	± 0.2 %
Currents	± 0.2 %
Power	± 0.2 %
Frequency	± 8 MHz
Harmonics	IC. 1 IEC / EN 61000-4-7
Active energy	IC. 0.5S IEC / EN 62053-22
Reactive energy	IC. 1 IEC / EN 62053-23
Dimensions	
Cutout	183 x 135
Front panel (W x H)	191 x 143 mm
Enclosures (W x H x D)	183 x 135 x 190 mm
Weight	1400 g
Auxiliary power supply	
Voltage range	85-285 VAC / 65-250 VDC
Frequency	50 / 60 Hz
Power consumption	Max. 15 VA
Back-up battery	Li-ion 2500 mAh

Reference

Designation	Reference
DIRIS Q800	4826 0100

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