



Network analyser to monitor the power quality throughout your electrical installation

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Socomec	DIRIS Q800
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	ALS POW STAT. GPS.



## Next level power quality monitoring Engineered for accuracy, designed for ease

## 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





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.

# 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).



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.



The internal battery secures the operation of the device even if power is lost. The data is stored for 5 years on its 16 GB internal memory.



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



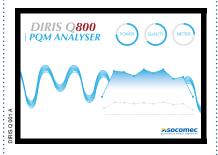
#### Large colour touchscreen

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 %
4 <sup>th</sup> voltage (neutral/earth)	± 0.2%
Currents	± 0.2 %
Power	± 0.2 %
Frequency	± 10 MHz
Harmonics	IC. 1 IEC/EN 61000-4-7
Active energy	IC. 0.5S IEC/EN 62053-22
Reactive energy	IC. 1 IEC/EN 62053-24
Dimensions	
Cutout	192 x 144 DIN/186 x 138 mm
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	100 240 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 <b>0100</b>

## Socomec: our innovations supporting your energy performance



• China (x2)

• Tunisia • Turkey • UK • USA

HEAD OFFICE

#### SOCOMEC GROUP

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