



# DIRIS Q800

Network analyser to monitor the power quality throughout your electrical installation



# 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



#### 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 5 years on its 16 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):

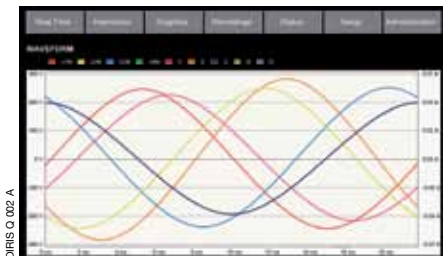
- facility inspection: telephone follow-up with our helpline engineers,
- facility auditing (EMI, harmonics, neutral system, earthing, differential protection devices).

## Intuitive navigation



### Large colour touchscreen

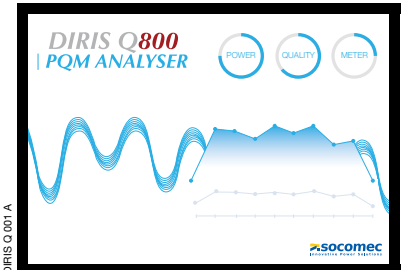
The colour touchscreen is easy and intuitive to use.



### 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

<b>Accuracy</b>	
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
<b>Dimensions</b>	
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
<b>Auxiliary power supply</b>	
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 0100

# Socomec: our innovations supporting your energy performance

**1** independent manufacturer

**3,200** employees  
worldwide

**10** % of sales revenue  
dedicated to R&D

**400** experts  
dedicated to service provision

## Your power management expert



POWER  
SWITCHING



POWER  
MONITORING



POWER  
CONVERSION



EXPERT  
SERVICES

## The specialist for critical applications

- Control, command of LV facilities
- Safety of persons and assets
- Measurement of electrical parameters
- Energy management
- Energy quality
- Energy availability
- Energy storage
- Prevention and repairs
- Measurement and analysis
- Optimisation
- Consultancy, commissioning and training

## A worldwide presence

**8** production sites

- France (x3)
- Italy
- Tunisia
- India
- China (x2)

**27** subsidiaries

- Australia • Belgium • China • France
- Germany • India • Italy • Netherlands
- Poland • Romania • Singapore
- Slovenia • Spain • Switzerland • Thailand
- Tunisia • Turkey • UK • USA

**80** countries

where our brand is distributed

### HEAD OFFICE

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