



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

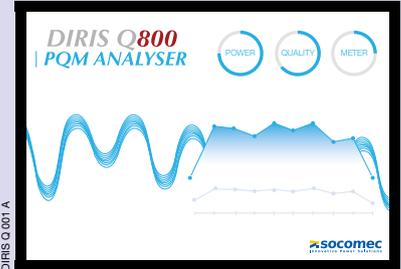
The colour touchscreen is easy and intuitive to use.



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	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	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

Socomec worldwide

IN EUROPE

BELGIUM

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +32 2 340 02 30
Fax +32 2 346 28 99
info.be@socomec.com

FRANCE

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +33 1 45 14 63 00
Fax +33 1 48 67 31 12
dcm.ups.fr@socomec.com

GERMANY

Critical Power

Tel. +49 621 71 68 40
Fax +49 621 71 68 444
info.ups.de@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +49 7243 65292 0
Fax +49 7243 65292 13
info.scp.de@socomec.com

ITALY

Critical Power

Tel. +39 02 98 242 942
Fax +39 02 98 240 723
info.ups.it@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +39 02 98 49 821
Fax +39 02 98 24 33 10
info.scp.it@socomec.com

NETHERLANDS

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +31 30 760 0900
Fax +31 30 637 2166
info.nl@socomec.com

POLAND

Critical Power

Tel. +48 22 825 73 60
Fax. +48 22 825 73 70
info.ups.pl@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +48 91 442 64 11
Fax +48 91 442 64 19
info.scp.pl@socomec.com

PORTUGAL

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +351 261 812 599
Fax +351 261 812 570
info.ups.pt@socomec.com

ROMANIA

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +40 21 319 36 88
Fax +40 21 319 36 89
info.ro@socomec.com

SERBIA

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +381 11 40 43 246
Fax +381 11 40 43 245
info.rs@socomec.com

SLOVENIA

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +386 1 5807 860
Fax +386 1 561 11 73
info.si@socomec.com

SPAIN

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +34 93 540 75 75
Fax +34 93 540 75 76
info.es@socomec.com

SWITZERLAND

Critical Power

Tel. +41 44 745 40 80
Fax +41 44 745 40 85
info@socomec.ch

TURKEY

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +90 216 540 71 20-21-22
Fax +90 216 540 71 27
info.tr@socomec.com

UNITED KINGDOM

Critical Power

Tel. +44 1285 863 300
Fax +44 1285 862 304
info.uk@socomec.com

Power Control & Safety / Energy Efficiency

Tel. +44 1462 440 033
Fax +44 1462 431 143
info.uk@socomec.com

IN ASIA PACIFIC

AUSTRALIA

Critical Power / Power Control & Safety

Tel. +61 2 9325 3900
Fax +61 2 9888 9544
info.ups.au@socomec.com

CHINA

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +86 21 52 98 95 55
Fax +86 21 62 28 34 68
info.cn@socomec.com

INDIA

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +91 44 39215400
Fax +91 44 39215450 & 51
info.in@socomec.com

SINGAPORE

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +65 6506 7600
Fax +65 64 58 7377
info.sg@socomec.com

THAILAND

Critical Power

Tel. +66 2 941 1644 7
Fax +66 2 941 1650
info.ups.th@socomec.com

IN MIDDLE EAST

UNITED ARAB EMIRATES

Critical Power / Power Control & Safety / Energy Efficiency

Tel. +971 4 29 98 441
Fax +971 4 29 98 449
info.ae@socomec.com

IN AMERICA

USA, CANADA & MEXICO

Power Control & Safety / Energy Efficiency

Tel. +1 617 245 0447
Fax +1 617 245 0437
info.us@socomec.com

OTHER COUNTRIES

NORTH AFRICA

Algeria / Morocco / Tunisia
info.naf@socomec.com

AFRICA

Other countries
info.africa@socomec.com

SOUTH EUROPE

Cyprus / Greece / Israel / Malta
info.se@socomec.com

SOUTH AMERICA

Tel. +34 93 540 75 75
info.es@socomec.com

MORE DETAILS

www.socomec.com/worldwide

HEAD OFFICE

SOCOMECS GROUP

SAS SOCOMECS capital 10 686 000 €
R.C.S. Strasbourg B 548 500 149
B.P. 60010 - 1, rue de Westhouse
F-67235 Benfeld Cedex - FRANCE
Tel. +33 3 88 57 41 41
Fax +33 3 88 74 08 00
info.scp.isd@socomec.com

www.socomec.com

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