

Technology for electrical energy efficiency



 **CIRCUTOR**

The leader in electrical energy efficiency



Leading company

in electric energy control



More than 35 years experience and constant evolution are the best guarantee for our clients.

Since 1973 CIRCUTOR stands out in the designing, manufacturing and marketing of industrial electric protection, electric energy measurement and control as well as reactive energy compensation equipment and harmonic filtering.

On all five continents

CIRCUTOR exports 50% of its production to more than 100 countries. Since 1983, it has been present in foreign markets, with its own offices in 12 countries.



From start to finish

Generation



Wind energy



Hydraulic energy



Solar energy

Distribution

Transmission and distribution of energy



Energy auditing



CIRCUTOR **CIR-e³** data logger and portable analyzers are essential tools to carry out electrical energy audits.



Applications



Industry



Buildings



Critical installations



Infrastructure

We provide solutions to all electricity generation processes

Wide range of products, classified in 5 divisions, providing solutions to any electrical energy generation, transmission or consumption process in the industrial, tertiary and domestic sectors.



Own technology

Team composed of more than 60 engineers

CIRCUTOR has an R+D+i team composed of more than 60 engineers that design new products to satisfy the market demand, incorporating the most advanced technologies.



Production capacity

All of our production centres use state-of-the-art technology to guarantee a high production capacity.



Testing laboratory

Official metrological verification laboratory

CIRCUTOR has its own laboratories to perform electromagnetic compatibility tests (EMC/EMI), calibration tests and an official metrological verification laboratory to guarantee the quality of all its products and make sure they comply with the highest quality standards.



Innovation with new products

Innovating with new electrical energy efficiency solutions

CIRCUTOR has a commitment to innovation, in order to bring out products with the latest technology and the best added value.



Certifications

CIRCUTOR manufactures its products in compliance with the highest quality standards, respecting the environment and protecting the health of its employees.

To this end, it has been certified with the following:

ISO 9001, Quality

ISO 14001, Environment

ISO 18001, Occupational Health and Safety

INTERTEK RSC MS (RoHS)

Management of restricted substances

QC 080000

Management of dangerous substance processes



Our websites

The perfect tool to provide operative and useful information with an easy-to-use application for our customers and sales force.



<http://energyefficiency.circutor.com>



<http://powerstudio.circutor.com>



www.harmonic-distortion.com

More than 3000 products

Measuring and electric control

Electric protection and control

Quality & Metering

Power factor correction
and harmonics filtering

Intelligent recharge
of electric vehicles

M

P

Q

R

V

5 product divisions

providing solutions to any electrical energy generation, transmission and consumption process in the industrial, tertiary and domestic sectors.

Server

CIRCUTOR offers various servers to its clients, in order to ease the treatment of the data obtained by the units manufactured by the company.



Electrical Measurement and Control

M



The wide range of **Measuring** devices includes many products aimed at the supervision of electrical energy installations: analogue instruments, digital instruments, energy meters for submetering applications, power analyzers, current transformers, portable power analyzers and energy management and control software.

There is no doubt that all actions aimed at the supervision of energy consumption will contribute in electrical supply cost savings.

- M.1** Analogue instrumentation
- M.2** Digital instrumentation
- M.3** Electrical energy meters for submetering
- M.5** CVM power analyzers
- M.6** Maximum demand control systems
- M.7** Current transformers and Shunts
- M.8** Portable power analyzers
- M.9** Energy management software



Electric protection and control



The **Protection and Control** family, includes the industrial earth leakage protection equipment and protection systems with optional automatic reclosing, in addition to a wide range of protection relays for different applications.

The Protection and Control product range is completed with the manufacture of current transformers, used to measure and/or protect encapsulated in resin, as well as reactors for any application, with a specific and optimised design in each case.

- P.1** Industrial earth leakage protection
- P.2** Earth leakage and overloads / short-circuit protection with self-reclosing
- P.3** Control relays and devices
- P.4** Protection relays and devices
- P.5** Protection transformers
- P.6** Measuring and testing equipments for substations
- P.7** Reactors for filtering

Quality & Metering



The **Quality & Metering** division includes the electrical supply quality verification and recording products (**QNA Series**) and the single and three-phase multifunctional electronic meters (**CIRWATT Series**).

In addition, it offers other units, such as the **PLC800** concentrator, which can be used to measure meters automatically through the electrical network, and equipment for communications and other accessories, such as modems, optical readers, converters, transformers, etc.

Q.1

Billing electrical energy meters

Q.2

Power quality analyzers

Q.3

Transformers for metering and accesories



Power factor correction and harmonic filtering



The Power factor correction division has a wide range of regulators, capacitors and capacitor banks for the compensation of reactive energy in low and medium voltage. It provides rejection, absorption and active filters for installations with harmonic distortion problems.

- R.1** Power factor regulators
- R.2** LV power capacitors
- R.3** LV automatic capacitors banks
- R.4** LV static automatic capacitors banks
- R.5** LV automatic capacitors banks with detuned filters
- R.6** LV static automatic capacitors banks with detuned filters
- R.7** Harmonic filters and EMI
- R.8** MV power capacitor banks and accessories

Intelligent recharge of electric vehicles



This division offers products to **recharge electric vehicles**, with specific functions to achieve the maximum efficiency of existing networks or future intelligent networks. It is composed of outdoor charge stations (posts), charge stations for indoor and outdoor parking lots, multi-point systems, quick charging systems, pre-payment cards and accessories.

V.1

Outdoor charging posts

V.2

Indoor parking lot stations

V.3

Pre-payment accessories and cards

Commitment to the client

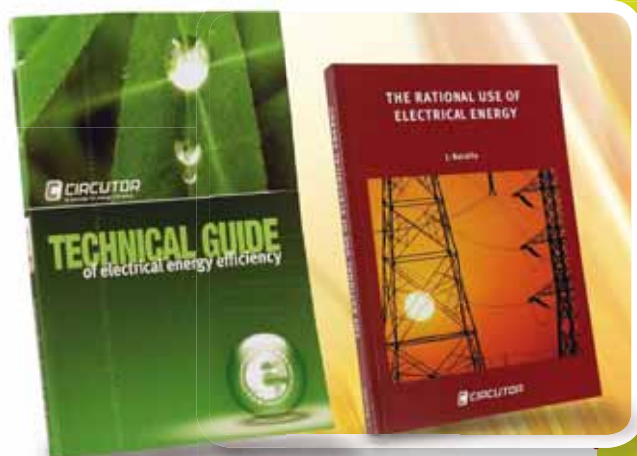
CIRCUTOR is making a constant effort to provide the best support to its clients, offering the service and assistance of its commercial and technical department to all of their needs.



Continuous training

CIRCUTOR has training rooms for 150 people which are used for seminars and conferences for its own staff, clients and distributors.

CIRCUTOR has edited the Technical Electrical Energy Efficiency Guide, Quality and Rational Electrical Energy Use Book and the three-monthly CIRCUTOR Magazine to foster the acquisition of knowledge.



Corporate philosophy



To be close to the customer



Team work



Satisfaction of regulatory authorities



Internationalisation



Confidence with suppliers



Innovation, technology



People = value



Audacity



Technology for electrical energy efficiency



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