



## CIR-e+

CIR-e+

Code: M85060. **DESCATALOGADO**

> CIR-e+ Portable energy audit analyzer without clamps

### Description

- It measures the main parameters of 3- and 4-wire single-phase and three-phase electrical networks in 2 quadrants
- True root mean square measure (TRMS)
- Measurement of power quality supply parameters in voltage
- Energy meter (4 quadrants)
- 4 voltage channels and 3 current channels
- Configurable via a PC application
- Recording of parameters and quality events on SD card (up to 2 GB)
- Compatible with PowerVision software **UNE-EN 50160**
- Possibility of custom-made independent power supply allowing power supply ranges of 100...400 V~ and 70...315 Vdc.
- Compact size, allowing the unit to be installed in standard double insulation boxes
- Light and easy to transport
- Self-detection of clamps
- Indication of poor connection of voltages and current clamps
- Compatible with CIR-e web application for processing data via a web site.
- Magnetic attachment to facilitate fastening to an electric panel or metal supports.

### Application

- The perfect unit for performing energy audits.
- Analysis of networks with power quality supply problems.



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### Specifications

#### AC power supply

Installation category	CAT III 300 Vac (IEC 61010)
Consumption	9 VA
Frequency	50...60 Hz.
Nominal voltage	100...400 Vc.a.
Minimum current	0,01 x In

#### DC power supply

Nominal voltage	70...315 Vdc
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#### Mechanical characteristics

Size (mm) width x height x depth	125 x 227 x 47 (mm)
Weight (kg)	2,1

#### Environmental characteristics

Protection class	IP 53
Relative humidity (without condensation)	95%
Storage temperature	-10...+65 °C
Working temperature	10...+50 °C

#### Standards

Certifications	UL, VDE
Electrical safety, Maximum height (m)	2000
Standards	IEC 60664-1, IEC 61010-1, IEC 62053-21, UL94, VDE 0110, IEC 61000-3-2, IEC 61000-3-3, IEC 61000-6-4, EN 55011, EN 55022, IEC 61000-6-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-8, IEC 61000-6-1, IEC 61000-4-11, UNE-ENV 50141

#### Current measurement circuit

Phase current measuring range	(.../2V) 2,5...100% Full scale clamp
Measurement units	Automatic scale change
Transformation ratio	Transformer

#### Voltage measurement circuit

Sampling frequency	45...65 Hz
Frequency measuring range	45...65 Hz

#### Measurement accuracy

Phase current measurement	0.5% (see current clamp measurement error)
Active energy measurement (kWh)	1% (see measurement error of the current clamps)



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Active power measurement (kW)	1% (see measurement error of the current clamps)
Phase voltage measurement	0,5%