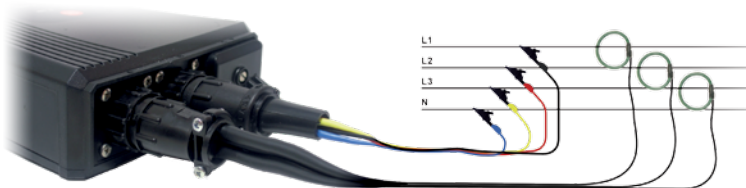


## Small and easy to operate

**CIR-e<sup>3</sup>** is a portable high performance recorder designed for energy audits. Its design and easy operation make it ideal for carrying out energy studies.



The measurement unit has two connection wires: the first wire is used for power supply and voltage phase measurement purposes and the second one can connect up to three flexible current clamps.



## Technical features

### Power supply circuit

Voltage	100...400 Vac 70...315 Vdc
Frequency	50...60 Hz
Consumption	9 V-A

### Measurement circuit

Voltage ph-N	10...400 Vac (ph-N)
Voltage ph-ph	17...690 Vac (ph-ph)
Current (.../2 V)	2,5...100 % F.S. of clamp (in class)
Frequency	45...65 Hz

### Minimum/maximum current

Clamp	Scale	Range
E-FLEX 20/54 cm	L1/Sc1	200 A
	L2/Sc2	2 000 A
	L3/Sc3	20 000 A
CP-5	5 A	0,05...5 A
CP-100	100 A	1...100 A

### Environmental features

Working temperature	10...50 °C
Altitude	2 000 m
Humidity	95 % HR non-condensing

### Others

Storage temperature	-10...+65 °C
Protection degree	IP 53
Weight (only <b>CIR-e<sup>3</sup></b> )	0,677 kg
Weight (with packaging)	0,733 kg

### Standards

Standards	CE, IEC 61010, EN 61010, IEC 60664-1, IEC 61000, EN 55011, EN 55022, IEC 60529
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### www.circutor.com

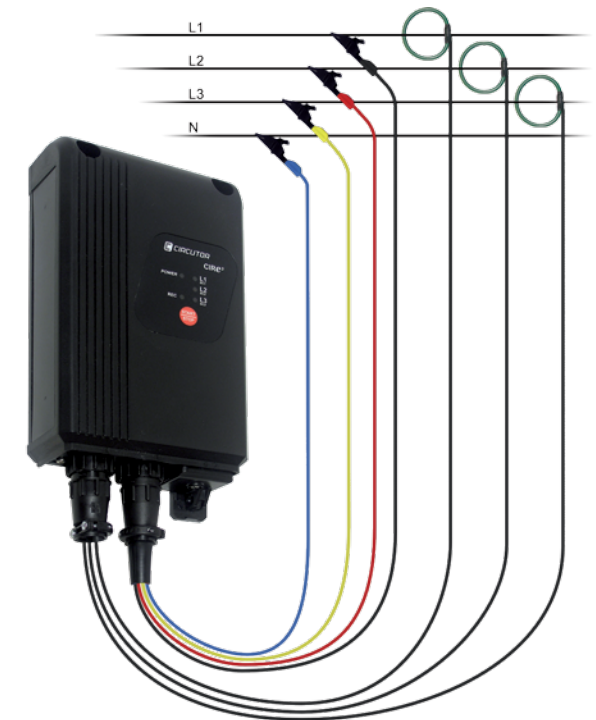
CIRCUTOR, SA - Vial Sant Jordi, s/n  
08232 Viladecavalls (Barcelona) Spain  
Tel. (+34) 93 745 29 00 - Fax: (+34) 93 745 29 14  
central@circutor.es



# CIR-e<sup>3</sup>

Portable recorder for energy audits

## The auditor



# Portable network analyzer — CIR-e<sup>3</sup> Kits & accessories

- ✓ Measure in 2 quadrants the main parameters for single-phase and three-phase electrical networks with 3 and 4 wires
- ✓ True root mean square measure
- ✓ Built-in energy meter
- ✓ 4 voltage channels and 3 current channels
- ✓ Configurable via PC application
- ✓ Recording of parameters on SD card (up to 2 Gb)
- ✓ Independent power supply from 100 to 400 Vac and 70 to 315 Vdc
- ✓ Clamps self-detection
- ✓ Indication of bad connection of voltages and current clamps

<b>M85020</b>	<b>CIR-e<sup>3</sup></b> analyzer without clamps
<b>M85000</b>	Kit <b>CIR-e<sup>3</sup></b> analyzer with <b>E-FLEX54</b> clamps
<b>M85030</b>	Kit <b>CIR-e<sup>3</sup></b> analyzer with <b>CPG100</b> clamps
<b>Spare Parts</b>	
<b>M86010</b>	(3) <b>E-FLEX54</b> 200/2.00/20.000 A
<b>M86013</b>	(3) <b>E-FLEX80</b> 200/2.00/20.000 A
<b>M86014</b>	(3) <b>E-FLEX120</b> 200/2.00/20.000 A
<b>M86015</b>	(3) <b>AMS14-FLEX CIR-e<sup>3</sup></b>
<b>M86016</b>	(3) <b>CPRG-500</b>
<b>M86017</b>	(3) <b>CPRG-1000</b>
<b>M86018</b>	(3) <b>CPG 2000/200</b>
<b>M86019</b>	(3) <b>CPG-5</b>
<b>M8601A</b>	(3) <b>CPG-100</b>
<b>M86020</b>	(6) Voltage wires

## Applications

Most portable recorders in the market follow highly complex parameters configuration and start-up processes. **CIR-e<sup>3</sup>** has been designed with the purpose of simplifying the setup and execution of measurements and, as a consequence, the analysis of energy audit studies.

- ✓ Energy audits in installations
- ✓ Preventive control and maintenance of substations
- ✓ Subcontracting energy audits

## PowerVisionplus

Reading, download and analysis files software, generated by devices **CIRCUTOR** with internal memory. Communicates with devices, download the files from internal memory for analysis and allows remote configuration.

Easy data analysis in tables or graph. Reporting tool or configurable according **EN50160**.

