CIR-e^{Q}

Portable power quality analyzer

Description

- Standard measurement of voltage parameters.
- Parameters for live power quality.
- Configurable via PC application.
- Recording of electrical parameters and quality events in SD (up to 2 Gb).
- Light.
- Reduced size which allows installation in boxes with standard double insulation.
- Possibility of custom-made independent power supply allowing power supply ranges of 100 to 400 Vac and 70 to 315 Vdc.
- Compatible with CIR-e WEB application for processing data via a web site (STD files).
- Has a magnet to facilitate fastening on electric panel or metal supports.

Application

- Device which has been designed to incorporate the most recent technologies offering the most advanced services on the market for measuring and recording quality events in electrical networks.

Features

Power circuit	
Voltage	100 to 400 Vac, 70 to 315 Vdc
Frequency	50 to 60 Hz
Consumption 100/400 Vac	5.2/22 VA
Consumption 70/315 Vdc	3 W
Measurement circuit	
Voltage (f-N)	10 to 400 Vac (f-N)
Voltage f-f	17 to 520 Vac (f-f)
Frequency	45 to 65 Hz
Accuracy	0.5 % F.E.
Build features	
Operating temperature	10 to 50ºC
Altitude	2 000 m
Humidity	95% RH without condensation
Storage temperature	-10 to 65ºC
Protection degree	IP 53
Weight (only CIR-e^{Q})	0.677 kg
Weight (with packaging)	0.713 kg
Standards	
ELECTRICAL SAFETY STANDARD: IEC 60664-1, IEC 61010-1, UL 94, VDE 110 **ELECTROMAGNETIC EMISSIONS**: IEC 61000-3-2, IEC 61000-3-3, IEC 61000-6-4, EN 55011, EN 55022 **ELECTROMAGNETIC IMMUNITY**: 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, ENV 50141	

CIR-e^{Q}

Analizador portátil de calidad de suministro

Parameters measured

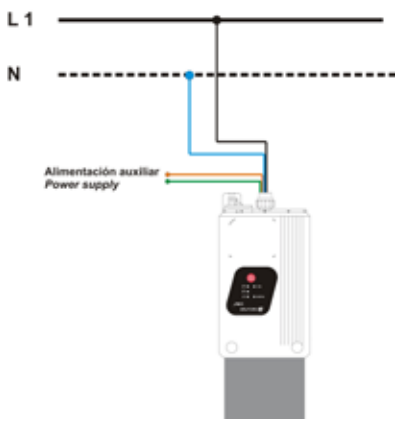
Parameter	Symbol (unit)	L1	L2	L3	III	Max./Min.
Phase-neutral voltage	V	Yes	Yes	Yes		Yes
Phase-phase voltage	V	Yes	Yes	Yes		Yes
Frequency	Hz	Yes				Yes
THD V		Yes	Yes	Yes		Yes
Fundamental V		Yes	Yes	Yes		
Harmonic decomposition V (50º)	Har	Yes	Yes	Yes		
Quality percentage		Yes	Yes	Yes		
Crest factor		Yes	Yes	Yes		
WA flicker	WA	Yes	Yes	Yes		
PST flicker	Pst	Yes	Yes	Yes		Yes
Imbalance	kd V				Yes	Yes
Asymmetry	Ka V				Yes	Yes
Quality						
Overvoltage		Yes	Yes	Yes		
Voltage gaps		Yes	Yes	Yes		
Interruptions		Yes	Yes	Yes		

References

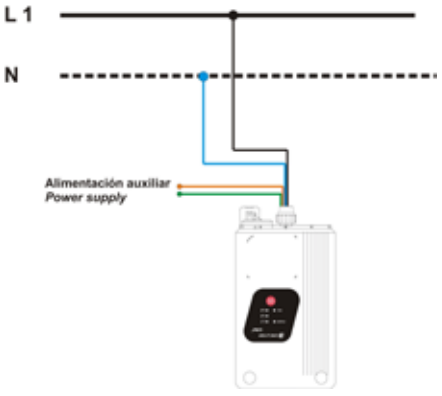
Analyzer		Code
CIR-e^{Q}		**M85010**
Accessories		
See page M.8-45		

Conexiones

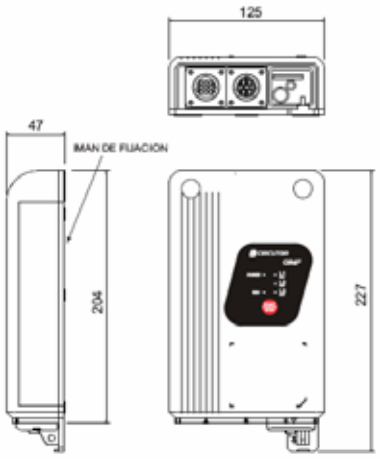
Unbalanced three-phase system with neutral



Balanced single-phase system



Dimensions



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