

AR6

Portable single-phase and three-phase power analyzer



Descripción

Portable power analyzer for measuring and recording all electrical parameters in single-phase, two-phase and three-phase networks. Measures leakage currents, power quality parameters and records transients. **AR6** is an integral tool for problem diagnosis and detection in any electrical installation and can also be used to prepare energy studies.

Applications

- High-accuracy energy-consumption studies
- Detection of problems relating to electrical protection elements
- Analysis of power quality and transient phenomena
- Local recording of start-up currents and other variables of interest on the unit

Technical features

Power circuit	Voltage	100...240 Vac
	Frequency	50...60 Hz
	Consumption	30 VA
Voltage measurement circuit	Voltage inputs	$U_1, U_2, U_3, U_N, \text{Earth}$
	Voltage measurement margin	10...800 V _{RMS} phase-neutral
	Maximum admissible voltage	2500 V _{peak}
Current measurement circuit	Current inputs	$I_1, I_2, I_3, I_N, I_{\text{leakage}}$
	Input voltage	0...2 V
	Current measurement margin	1%...120% of I_n
	Maximum admissible current	3 I_n A
Accuracy class	Voltage / current	0.5%
	Active power	0.5%
	Reactive power	0.5%
	Energy	0.5%
Build features	Enclosure	Double insulation
	Screen	5.7" colour VGA
	Dimensions	283 x 168 x 80 mm
	Weight	1640 g
	Communications	USB port
	Memory	Internal, 16 GB
Environmental features	Relative humidity	5%...95% without condensation
	Maximum altitude	2,000 m
Safety	Category III - 600 V, in accordance with EN 61010	
	1,000 V CAT III / 600 V CAT IV for altitudes lower than 2,000 m 1,000 V CAT III / 600 V CAT III / 300 V CAT IV for above 2,000 m	
Standards	EN 61000-6-4 (2002), Industrial emissions.	
	EN 55011 (1994), Driven (EN 52022 - Class B)	
	EN 55011 (1994), Radiated (EN 55022 - Class A)	
	EN 61000-6-2 (2022), Industrial immunity	
	EN 61000-4-2 (1995), Electrostatic discharge	
	EN 61000-4-8 (1995), Rapid transient bursts	
	EN 61000-6-1 (2002), Domestic immunity	
	EN 61000-4-11 (1994), Interruptions to the power supply	
	(*) Accuracy is given by the following measurement conditions: Exclusion of errors produced by the clamps and external voltage transformers, with a temperature range of 5 °C...45 °C and a power factor range of 0...1	

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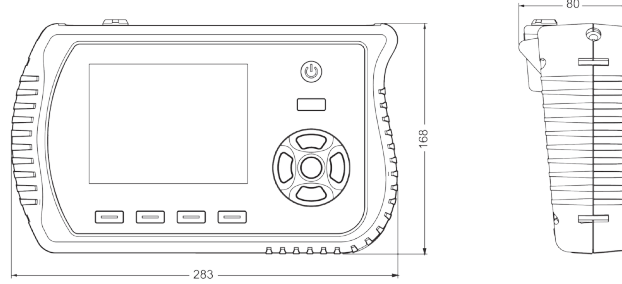
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References

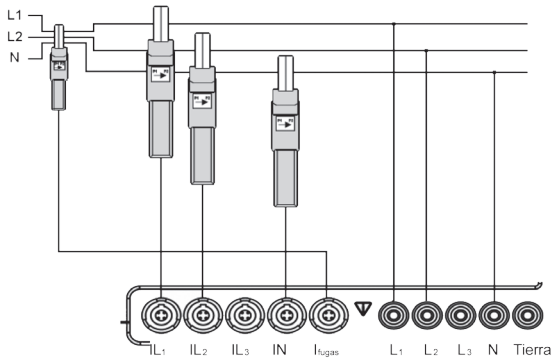
Type	Description	Code
AR6	AR6, portable power analyzer	M82511
AR6, Kit Maleta	Kit with AR6 (M82511) + Transport trolley suitcase	M82512

Dimensions

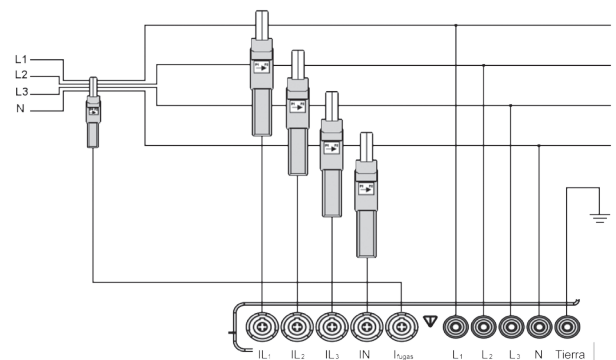


Connections

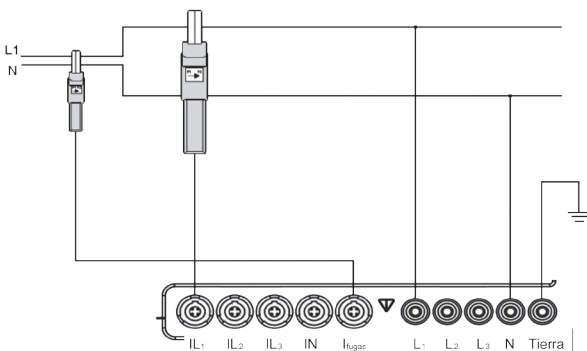
Two-phase system



Three-phase system with neutral



Single-phase system



Three-phase system without neutral

