



## AR5L-1M

AR5L-1M, Portable power analyzers

Code: M80111. [CONSULTAR DISPONIBILIDAD](#)

- > Measuring current Channels: 4
- > Device: AR5L
- > Modules: 48 x 48

### Description

- Measures all the main electrical parameters of an electrical network
- Provides TRMS readings
- Built-in energy meter
- With 4 voltage and 4 current channels
- Autotrigger can be adjusted based on the parameters desired
- Languages: Spanish and English
- Large, LCD backlit display
- CAT III 600 V (EN 61010). UL certified
- Display up to 30 electrical parameters on screen
- Small and lightweight, only 800 g.
- Independent files for each measurement
- Includes powerful analysis software: POWER VISION PLUS
- Adjustable via the menu
- Up to 8-hour battery life
- RS-232 communication with PC
- Automatic clamp detection
- Automatic selection of parameters to save
- Calculation of time remaining until memory full
- Linear or rotary memory (depending on configuration)

### Application

Complete study of an installation, in which the analyzer is capable of recording different parameters: harmonics, disturbances, meter verifications, transitory, flickers, etc.



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### Specifications

#### AC power supply

Consumption	15 VA
Frequency	50...60 Hz
Nominal voltage	100...240 Vc.a./12 Vc.c. (a través de alimentador externo)

#### Mechanical characteristics

Size (mm) width x height x depth	128 x 221 x 63 (mm)
Weight (kg)	2,8

#### Environmental characteristics

Relative humidity (without condensation)	80% para temperaturas inferiores a 31 °C, disminuyendo linealmente hasta 50% a 40 °C
Working temperature	0 ... +40 °C

#### Standards

Certifications	UL, VDE
Electrical safety, Maximum height (m)	≤ 2000
Electrical safety, Installation category	CAT III - 600 V, IEC 61010
Standards	IEC 60664, IEC 61010, IEC 61036, VDE 0110 , UL 94, IEC 61000-3-2(1995), IEC 61000-3-3(1995), IEC 50081-2(1993), EN 55011 (1994): Conducted (EN 55022-Class B), Radiated (EN 55022-Class A), EN 50082-2 (1995), IEC 61000-4-8 (1995), IEC 61000-4-2 (1995), UNE-ENV 50141

#### Current measurement circuit

Phase current measuring range	According to clamp
Measurement units	Automatic scale change
Transformation ratio	Programmable

#### Voltage measurement circuit

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

#### User interface

Resolution of the display	160 x 160 pixels (Backlight)
Display type	LCD

#### Measurement accuracy

Phase current measurement	0,5% ±2 digit
Reactive power measurement (kvar)	1% ±2 digit
Active power measurement (kW)	1% ±2 digit
Phase voltage measurement	0,5% ±2 digit



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Memory capacity: Harmonic program, logging of 30 network parameters with 15 min. log period, with up to 80 days of memory storage Voltage cables, power supply and Power-Vision software included.