



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

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|--|--|
| 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

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|-------------------------------|------------------------|
| 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.