



## VLOG-10

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VLOG-10, Single-phase analyzer to collect and record outages, gaps, overvoltages and voltage load profile,

Code: M84101. [CONSULTAR DISPONIBILIDAD](#)

### Description

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**VLOG-10** is a portable Power Quality Analyser, whose purpose is to capture the main voltage waveform events (power failure, gaps and overvoltages). This programmable measuring device measures, calculates and stores the network voltage, monitoring different events that may be produced in the single-phase network. The **VLOG-10** gives true root mean square (True-RMS) measurement by means of the power supply voltage, storing the results in its 512kb internal memory for subsequent data dumping and study.

The device is designed to operate autonomously once it has been connected to the mains, after which it immediately starts to measure the mains voltage and frequency, recording the data and incidences that have occurred. These records are stored according to the configuration previously set by the user in the configuration parameters. The dumped generated data is downloaded via the built-in USB interface.

### Application

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- Power quality analyser for single-phase networks of up to 265 V~.
- Suitable for controlling the voltage of residential or domestic type electrical networks.
- Suitable for large-scale projects, for power quality recording.
- Compact dimensions, and suitable for installation in double insulated boxes, next to the electricity billing meter (the energy supplier's meter).



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Power quality analyzer

Code: M84101.

### Specifications

#### AC power supply

|                       |               |
|-----------------------|---------------|
| Installation category | CAT III 300 V |
| Consumption           | 0,8...1,12 VA |
| Frequency             | 50 / 60 Hz.   |
| Nominal voltage       | 85...265 V~   |

#### Battery specification

|                       |         |
|-----------------------|---------|
| Capacity              | 220 mAh |
| Performance-guarantee | 10 años |
| Type                  | Li/MnO2 |
| Voltage               | 3 Vcc   |

#### Mechanical characteristics

|                                  |                               |
|----------------------------------|-------------------------------|
| Size (mm) width x height x depth | 43 x 116 x 26 (mm)            |
| Envelope                         | Self-extinguishing V0 plastic |
| Weight (kg)                      | 0,1                           |

#### Environmental characteristics

|  |                |
|--|----------------|
| Protection class                         | IP 20          |
| Relative humidity (without condensation) | 25 ... 75 %    |
| Storage temperature                      | -20 ... +80 °C |
| Working temperature                      | -10 ... +55 °C |

#### Standards

|  |                          |
|--|--------------------------|
| Certifications                           | CE                       |
| Electrical safety, Maximum height (m)    | 2000                     |
| Electrical safety, Installation category | CAT III 300 V, IEC 61010 |
| Standards                                | IEC 61010-1, IEC 61326-1 |

#### Voltage measurement circuit

|                                      |               |
|--------------------------------------|---------------|
| Installation category                | CAT III 300 V |
| Voltage measuring range              | 85...265 V~   |
| Minimum measurement voltage (Vstart) | 85 V~         |

#### User interface

|              |              |
|--------------|--------------|
| Connectivity | USB tipo B   |
| LED          | 3            |
| Keyboard     | 1 pushbutton |



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### Measurement accuracy

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|                               |  |
|-------------------------------|--|
| Active power measurement (kW) | Class 0.5 $\pm$ 1 digit (IEC 61557-12) (Vn a.c. 230/110) |
| Power factor measurement      | Class 0.5 (IEC 61557-12)                                 |
| Phase voltage measurement     | 0,5 % (accuracy within the range +5 ... +45 °C)          |

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### Dimensions

