

CAVA 253

CAVA 253

Code: Q20132. **DESCATALOGADO**

> Single-phase recorder of voltage, current, active power, flicker and harmonics. RS-232 output

Description

The **CAVA** series analyzers are measurement equipment that can analyze and record the main supply quality parameters of an electricity network. There are three types with different measurement capacities. The basic performance features are stated next:

- Analysis of 100% of the voltage and current cycles
- Optional measurement of currents between 2 A and 10 000 A with different current sensing clips
- Large storage capacity
- Easy installation and programming
- Programming and extraction of data with a PC
- **PowerVision** software used to analyse measurements.

Application

The CAVA single-phase analyzer has been specially designed for the intake of LV measurements during long periods of time, with the purpose of determining the supply quality existing in the measurement point (voltage, flicker, harmonics, etc). It is the perfect product to analyze the difference in voltage between the start and end of distribution lines. Its easy installation and the user-oriented PowerVision software can be used to analyze any information and apply the quality standards (for ex., UNE-EN-50160) to the measurements taken to determine the degree of quality.

Creation date: 23/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.



CAVA 253

Single-phase power quality analyzer

Code: Q20132.

Specifications

AC power supply

Consumption	3 VA
Frequency	50...60Hz
Nominal voltage	230 Vc.a.(± 15%)

Mechanical characteristics

Size (mm) width x height x depth	60 x 136 x 58 (mm)
Weight (kg)	0,33

Environmental characteristics

Relative humidity (without condensation)	Máx. 85%
Working temperature	0 ... +50 °C

Standards

Certifications	UL, VDE
Electrical safety, Installation category	CAT III (IEC 61010)
Standards	IEC-60664, VDE 0110, UL 94, EN 60801, EN 50081-1, EN-61010-1 , EN 50082-1, EN 60868

Current measurement circuit

Transformation ratio	Depending on the type of clamp used

Measurement accuracy

Phase current measurement	0,5 %
Active power measurement (kW)	1 %
Phase voltage measurement	0,5 %

Creation date: 23/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.