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PQ Advisor Compact

Power quality monitoring in conjunction with
SICAM power quality recorders

Power quality in the power grid

For a reliable assessment of power quality, you need precisely recorded operating values from your power grid over a longer period of time.

Solutions from the SICAM Power Quality family provide these values and enable you to analyze the supply voltage. This is the only way to react to voltage events that have a negative influence on the voltage quality.
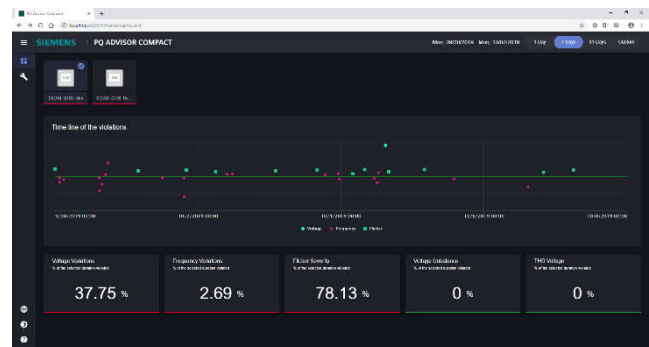
PQ Advisor Compact

is a new software tool for the central monitoring of power quality in all areas of power supply for industry, infrastructure and utilities.

Gather information
The easiest way to monitor your power quality is to connect SICAM power quality recorders to the PQ Advisor Compact software. You'll receive valuable information on how and when power quality has been disturbed and where the disturbance originated – externally or internally.

Monitor power quality parameters
The software, which requires no configuration, automatically looks for SICAM power quality recorders (SICAM P855/Q100/Q200) in your local network and monitors all relevant operational values. The files containing the measured operational values from the connected devices are automatically downloaded and saved locally in the PQ Advisor Compact.

Features

The PQ Advisor Compact is installed on an existing IT infrastructure (preferably Windows 10, 64-bit) and automatically detects the SICAM power quality recorders available in the power grid within a few minutes.

The software enables power quality analysis of your electrical grid without a technical background. Thus, you always have the status of your power system at hand or at a glance.

The PQ Advisor Compact analyzes:

- Which event happened
- Where the event is located
- When did the event happened
- If the cause of the failure lies in your own grid (internal) or outside (external)

The display of the power quality events is shown via a traffic light function for better understanding.

the knowledgeable advisor

Product details

Connectable power quality devices

- SICAM P855
- SICAM Q100
- SICAM Q200

Maximum number of SICAM power quality devices

- 30

File type (able to download), Grid Code

- PQDIF
- Standardized grid code evaluation according to EN 50160

Operating system

- Windows 10 Professional
- Windows Server 2019 Standard with Desktop Experience, 64-bit

Browser

- Google Chrome
- Fire Fox

Storage capacity

- Primary storage, min / recommended: 8 GB / 16 GB
- SSD hard disk, min / recommended: 50 GB / 100 GB

Language user interface

- German
- English

You can select from 2 different variants:

- Basic module (Software with license key)
- Starter package (Software with license key and two SICAM Q100 power quality recorder)

Applications

The PQ Advisor Compact evaluates the power quality data from power grids for e.g.:

- Solar farms and wind farms
- Charging stations for e-cars
- Residential areas
- Small industries, e.g. factories for IEDs
- Large power consumers, e.g. welding systems, arc furnaces
- Smaller utilities, e.g. municipal utility
- Hospitals

Your benefits

- Cost-effective solution - uses existing IT infrastructure (Windows) and automatically searches for SICAM Power Quality devices in your power grid
- Intuitive visualization - no technical background to Power Quality required
- Intuitive user interface - immediately operable without program knowledge
- Fast status at a glance - the traffic light overview on the user interface provides an immediate overview of your entire power system
- Information on the source of the fault - shows you whether the fault is inside or outside your power system.
- Evaluation of power quality data - via standardized grid code evaluation according to EN 50160

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