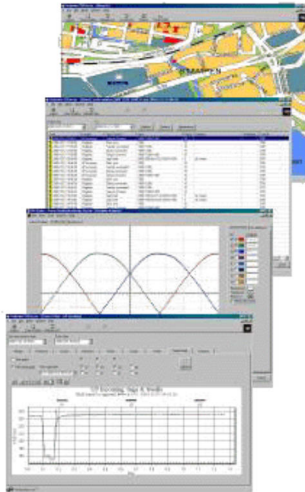


PQ Secure



Measure quality – with quality.
PQ Secure Power Quality
Management System

Complies with standards:

EMC:
EN 50081-1,2
EN 50082-1,2

Voltage characteristics:
EN 50160
EN 61000-2-2
EN 61000-2-12

Harmonics:
IEC 61000-4-7

Flicker:
IEC 61000-4-15

Testing and measurement
techniques:
IEC 61000-4-30, Class A

The PQ Secure system is a perfect solution for supervision of power quality and disturbances in the power grid. The system is very user-friendly and provides continuous monitoring of all the power quality parameters in the entire network. The system provides quick and easy tracing of different disturbances and at the same time determination of their direction in the network.

Main functions

- Power quality monitoring
- Transient monitoring
- Load monitoring
- Station control
- Works simultaneously
- Automatic analysis
- Automatic generation of reports

The system

The PQ Secure Power Quality Management System consists of the following main parts: software, measure units and communication equipment. The measure units (UP-2210), which are permanently installed at site, collect information on disturbances in the network and transfer this information to a centrally placed database.

Communication between the measure units and the centrally placed database is automatically performed by the system via e.g. ethernet or a modem.

Measure data is collected and evaluated by a SQL database. This offers a fully scalable system which has no limitations when it comes to the number of measure units connected. This, of course, is a must if you want a flexible solution.

Evaluation

The evaluation software is integrated in the platform of the database and covers the following:

- Analysis functions
- Event viewers (global/local)
- Trend diagrams
- Wave form diagrams
- Duration analysis (ITIC/CBEMA)
- Automatic report function
- Real-time window

It is also possible to integrate the portable meters Unilyzer 902 and Unilyzer 901 into the PQ Secure system. This gives more points for measurement and thus an improved and more complete view of the power quality in the network.