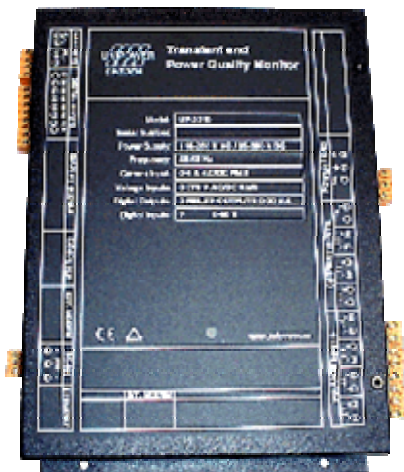


Permanent measure unit UP-2210



UP-2210, Class A permanent measure unit

Complies with:

EMC:

EN 50081-1,2
EN 50082-1,2

Voltage characteristics:

EN 50160
SS 421 18 11
National standards

Harmonics:

IEC 61000-4-7

Flicker:

IEC 61000-4-15

Power quality measurement methods:

IEC 61000-4-30, Class A

The PQ Secure system has been developed for analysis of several permanently installed measure units at different voltage levels in an electrical grid. The measure unit UP-2210 is available as 4 different hardware models for different applications.

Each UP-2210 unit is certified in accordance with the measure standard IEC 61000-4-30, Class A which is unique on the market. This makes the measure data fully reliable and the measure units can therefore be used in reference measurements.

The UP-2210 unit works as an advanced power quality meter and at the same time as a fault recorder when using the specially developed Fault Recorder module. All of the power quality parameters can be analysed in accordance with voltage quality standards such as the EN 50160. The UP-2210 unit captures both steady state disturbances (harmonics, flicker etc) as well as rapid voltage changes (sag/swell events and fast transients).

This makes the UP-2210 unit a unique measure unit, since it calculates all measure data simultaneously and notifies the user about the kind of disturbance that occurs.

The PQ Secure system will automatically transfer data from the UP-2210 units to the central database according to a user-specified time schedule. The software will also analyse the measure result and show it as events in an event list or as graphical data. The software also has an automatic report generator that can create reports in accordance with international voltage standards such as EN 50160.

For more information about the PQ Secure system or the UP-2210 measure units, please contact your local representative or Unipower.