

Power quality online monitoring and Measuring device



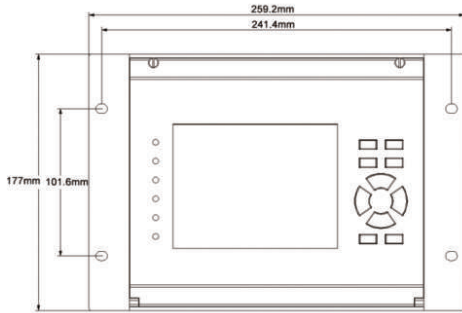
PQ8000 power quality online monitoring and measuring device adopts high speed and high performance DSP, integrated into harmonic analysis, flicker measurement, power measurement, unbalance voltage measurement and fault record, and record steady-state data and transient data, deeply find out the cause of every process. Quick collection, accurate analysis of every electrical parameter, monitoring every data of power quality, integrated with communication interface, and combine with PQS power quality monitoring software, constitute the power quality monitoring system.

Technical feature

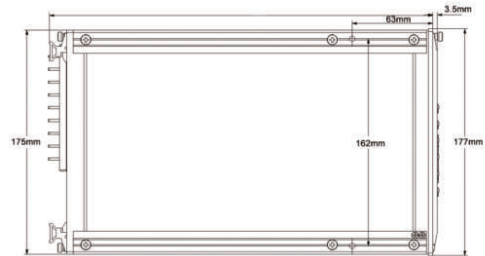
- **Harmonic analysis**
Monitoring network every harmonic component in 50 times, including 2~50 times harmonic distortion rate, total harmonic distortion rate, even total harmonic distortion rate, odd total harmonic distortion rate, harmonic phase angle and inter-harmonic. It met the international GB/T14549 and IEC6100-4-7 to the utility grid harmonic testing requirements.
- **Flicker analysis**
Because the voltage changing cause flicker such as arc furnace, electric welding machine, etc. can easy to make eye fatigue, discomfort, and even the mood be agitated. PQ8000 have voltage flicker detection function, accord with EN50160, IEC61000-4-15 and GB/T12326 standard.
- **Voltage fluctuation and fault record**
This device can capture all of voltage and current waveform to analysis interference source, so as to capture a minor change in the voltage waveform.
- **Component measurement and voltage unbalance degree analysis, monitoring and recording of power system frequency fluctuation**
PQ8000 can measure unbalance degree, zero sequence, positive sequence, negative sequence of amplitude and phase from voltage and current. Display phase diagram of the voltage and current. PQ8000's frequency measure accuracy is 0.001 Hz, frequency range is from 20 Hz to 80 Hz, this device can implement on-line monitoring of power system frequency, when frequency cross the maximum value that the device will alarm.
- **Exceeding measurement of power quality, data record and event process record**
This device can be continuously detect whether the power quality conform to the standard, can set different standard condition via software, enable exceeding electrical parameter statistics and record corresponding superscalar, temporal resolution can be reach to the 1 ms, PQ8000 configure with 8 GB memory card, which used to store energy data and fault waveform.

External dimension

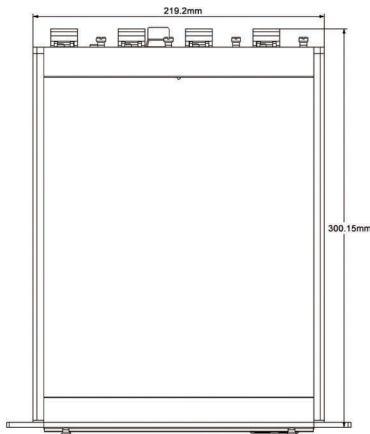
Front view



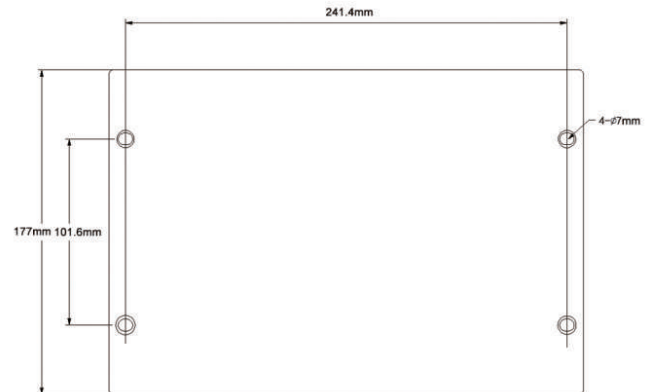
Side view



Top view



Open hole drawing



Terminal block drawing

