

PSL



PQube[®] AC Power Monitor

Embedded power quality and energy/carbon monitoring



PQube Version 1.2.2 - Highlights

Tiny! User friendly! No software required!

The best power quality/energy/carbon monitor ever!

- Three-phase and single-phase monitoring up to 690V, 50/60/400Hz.
- Auto power configuration (patent pending).
- Power Quality monitoring: *"Your PQube is like the black box on an aircraft: if anything goes wrong with the power, it records all the details."*
 - Voltage dips, swells, and interruptions – waveforms and RMS graphs.
 - Over-frequency and under-frequency events.
 - 1-microsecond high-frequency impulse detection.
 - THD, TDD, and time-triggered snapshots.
 - Voltage and current unbalance.
 - RMS Flicker – P_{inst} , P_{ST} , P_{LT} .
 - Detailed event recording, plus daily, weekly, monthly trends. Cumulative probability, histograms, and more.
- Energy monitoring: *"The most accurate little monitor on the market. Complete energy information."*
 - Watts, VA, VAR's, true Power Factor, Watt-hours, VA-hours.
 - Daily and accumulated CO₂, and CO₂ rate (patent pending).
 - Peaks: single-cycle peak, 1-minute, and 15-minute averages.
 - CT ratios support up to 50,000 amps . PT ratios support up to 6,900,000 volts.
 - Daily, weekly, monthly trends. Load duration curves and more.
- No software required! The PQube automatically writes these files on a standard digital camera SD card:
 - Spreadsheets: CSV Excel[®]-compatible files; events, trends, statistics.
 - Pictures: Event and trend/statistics graphs – dual-language picture graphs output directly from PQube in typical GIF format
 - PQDIF (beta): the IEEE's standard for power quality data files .
 - Text, XML, and HTML summaries: perfect for interfacing with other programs.
- Easy data retrieval:
 - Sneakernet: Pop out SD card, just like a digital camera, and copy files to your PC.
 - Ethernet:
 - Email for easy approval by IT department. Automatically sends you events, trends, and statistics in the language of your choice.
 - Built-in, language selectable, [web server](#) – retrieve meters, files, and more.
 - FTP server for easy file transfer (beta).
 - Modbus-TCP (beta).
- Additional channels: two analog inputs, one digital input, one relay output, and two temperature-humidity monitoring channels.
- 256 samples-per-cycle measurements on all channels .
- About 1 gigabyte per year of data. PQube comes standard with 2-gigabyte SD-card for data storage. Can use 8-gigabyte SD cards.
- Full color display. 25+ languages, date/time setup, recent events, meters, and more.
- DIN-rail or panel mount.
- Built-in Li-Ion UPS. Power from 24 VAC, 24-48VDC, or optional 100-240 VAC power supply.
- FREE individual NIST calibration certificate for every PQube! Download from www.PowerStandards.com

