



PQube 3 Travel

Portable PQube[®] 3 Power Analyzer
TINY, INTUITIVE, ULTRA-PRECISE, MEASURE-EVERYTHING ANALYZER

4MHz HF Transients • 2kHz–150kHz Emissions • Class A Ed3 Power Quality
8 or 14 Current Channels • Revenue Grade Class 0.2 Accuracy
4-Quadrant Energies • Dual 3 phase voltage • AC and/or DC
3G/4G Communication



MANY DEVICES IN ONE

The tiny, power-packed PQube 3 and PQube 3e include a nearly endless array of functions.

Triggered Oscilloscope

Includes 40 digital oscilloscopes

Triggers on sags, swells, DC voltage, temperature, pressure, humidity, and more

Offers 250 nanosecond transient capture

Sends out notifications immediately by email, SMS or SNMP traps

Real-time Intelligent Sensor

Reports over 3000 parameters — every second

Peace of mind from real-time analysis

Enables rapid and effective diagnostics

Ensures process compliance

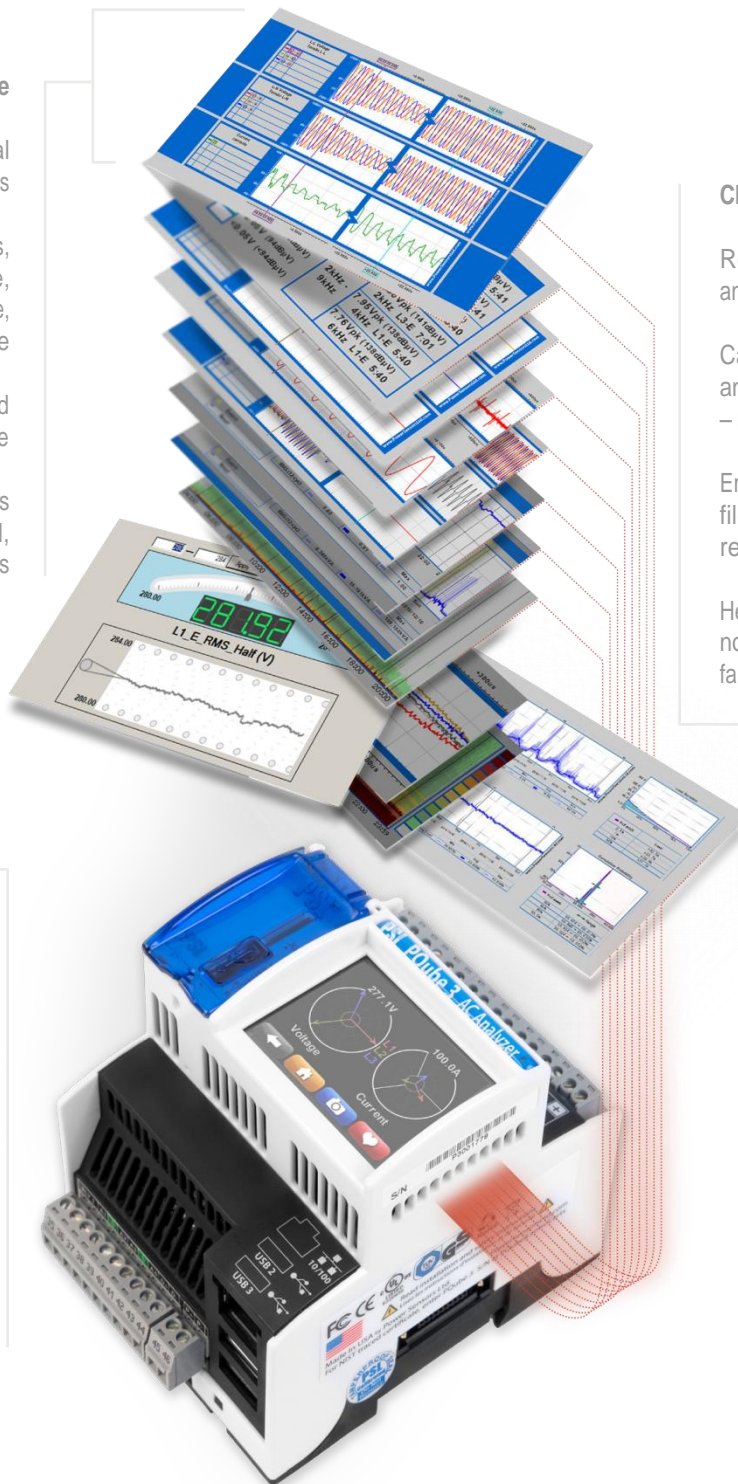
Chart Recorder

Records daily, weekly and monthly trends

Captures minimum, average and max values by the minute — never misses a cycle

Emails graphs, Excel, PQDIF files to you with no software required

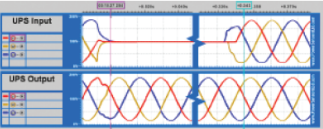
Helps identify deviations from normal activity—predictive failure analysis



PQube 3
Power Analysis



www.PQube3.com
www.PowerSensorsLtd.com



Simultaneous waveform recording of the input and the output voltage of a UPS during a grid outage.

4 or 8 Voltage Inputs Up to 960VAC nominal voltage inputs.

8 or 16 Current Inputs
0.333V or 10Vpk voltage differential input channels. Use PSL Ultra-Precise Current Transformers for 0.2 Class revenue metering.

Use VAT1 module for dual-voltage mode



PSL Ultra-Precise Calibrated Current Transformers

Anti-Tamper Lid
Data access security

16GB External Data Backup

Expansion Bus For additional modules (both sides)

USB 2.0 Port
Data backup, configuration and firmware updates

Digital Input

Relay Output

4 Analog Input Channels
Suitable for flow, RPM, fluid level, pressure & more



Touchscreen Display
Intuitive interface to configure, upgrade firmware, view over 600 live meters, recent events and system status

16GB Internal Memory
Over a year's worth of data storage

10/100 Ethernet RJ-45 Port
Built-in Ethernet port. Wireless, cell modem, PoE compatible

24VAC or 24-48VDC Instrument Power Input

EnviroSensor® Inputs
Connect a PSL ENV2 sensor for ambient temperature, humidity, barometric pressure, shock and vibration, 3-Axis acceleration & more

PQube[®]3

POWER QUALITY IS JUST THE BEGINNING

PSL's PQube 3 Analyzers offer the only complete solution on the market. With an exhaustive array of inputs — from electrical to environmental — The PQube 3 makes sophisticated data analysis a simple process — enabling you to diagnose and fix problems faster.

PQube 3e—14 Current Channels



HIGH SPEED MICRO POWER QUALITY

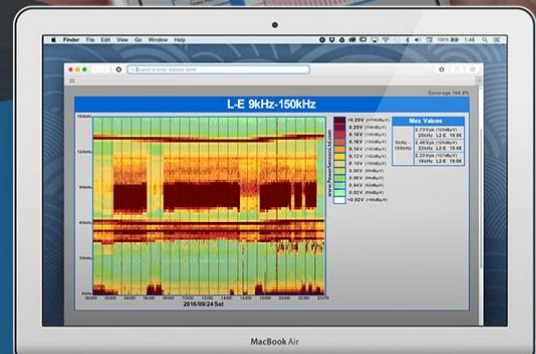
- Up to 4MHz high frequency sampling — 250ns transient detection and recording
- Event-triggered recording based on sags, swells and interruptions, over/under-frequency, waveshape changes, inrush current and more
- 2kHz-150kHz conducted emissions recording
- High-speed 512-samples-per-cycle recording on all channels
- IEC 61000-4-30 Ed3 Class A:
 - Voltage sags/swells/interruptions
 - Voltage flicker (Pinst, Pst, PLT)
 - Voltage and current harmonics & inter-harmonics (up to rank 50)
 - Voltage and current unbalance
 - Voltage THD, current THD and TDD
 - Rapid voltage changes
- Daily, weekly, and monthly trends (with min/avg/max)
- Daily cumulative probability, histograms, and more

BUILT-IN WEB & EMAIL SERVER NO SOFTWARE REQUIRED

While other analyzers require you to download and install software, PQube 3 Power Analyzers do not. To review data remotely, you need nothing more than a network connection.

- Intuitive, PQube 3-generated GIF graphs, plus CSV/Excel and PQDIF (IEEE standard) files
- Automated file transfer with FTP or HTTP protocols
- Embedded firewall and bank-level security protocol (HTTPS & FTP-S)

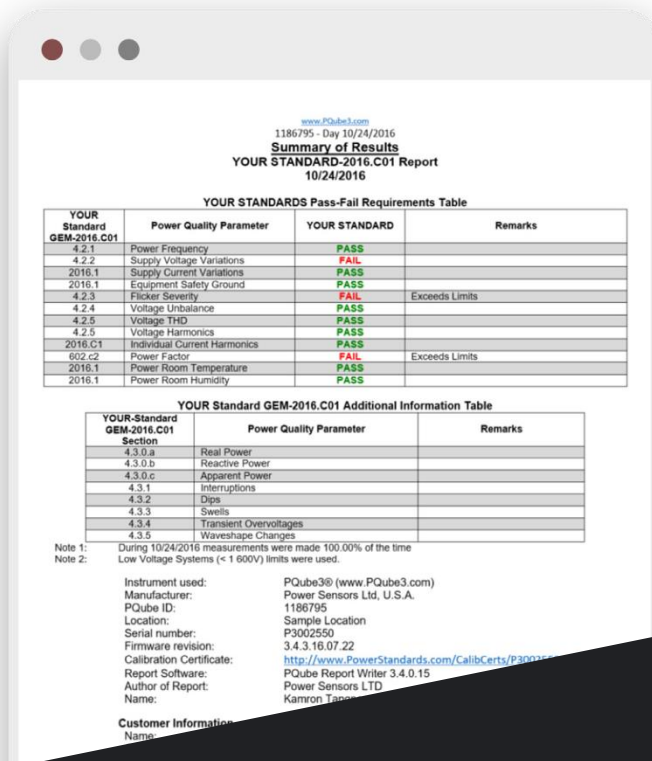
Receive email alerts when events occur



View trend and event recordings, view meters, configure your PQube 3, and update firmware remotely from a simple web browser.

BONUS SOFTWARE

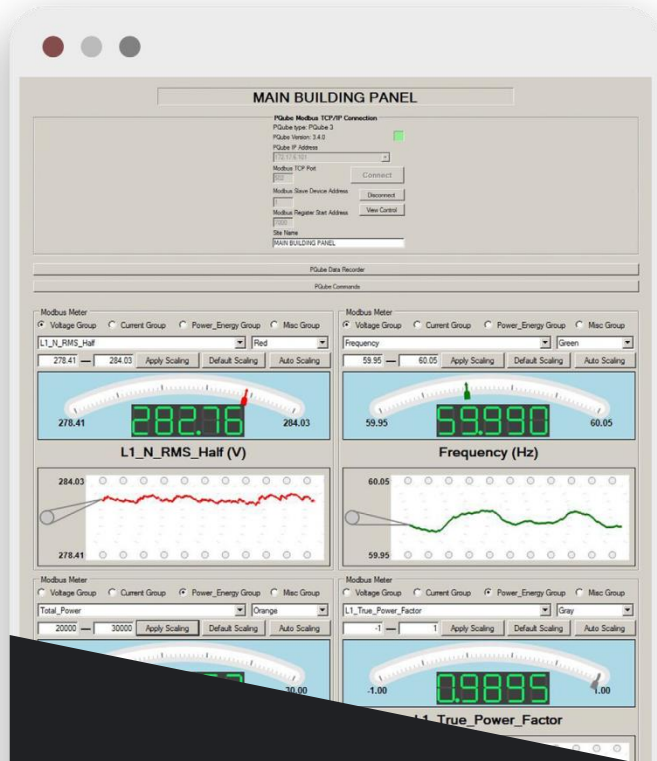
Easily view and chart real-time meters and generate custom reports using PSL's free software.



REPORT WRITER

Save hundreds of expensive hours by automatically analyzing measurements over days, weeks, or months.

- Generate custom reports with your logo and contact information
- Define report contents: select parameters and thresholds for compliance tables with pass/fail criteria
- Include summary statements, graphs, trends and statistics tables
- Output various report types including EN50160, harmonics, energy, billing, and more
- Select from multiple languages or easily integrate additional languages



MODBUS CLIENT

Get real-time measurements remotely from your PQuBE 3.

- Remote verification of voltage and current connections
- Real-time logging/strip charts
- Real-time scope meter with waveforms
- Real-time Voltage and current harmonics
- Real-time 2kHz–150kHz supra-harmonics
- Easy access to over 3000 parameters
- Recording of live meter values in CSV files



THE PQUBE 3 POWER ANALYZER IS TRUSTED BY
NUMEROUS FORTUNE 500 COMPANIES ACROSS
THE GLOBE TO ANALYZE AND TROUBLESHOOT THEIR
MOST SENSITIVE EQUIPMENT.

Models Available:

PQube 3 - Travel

- Ruggedized portable version of Pqube3
- 4 Voltage and 8 Current Channels
- 4 Analog Inputs, 1 Digital Input, 1 Relay Output
- Class A Ed. 3 Power Quality, Class 0.2 Energy
- 512 samples/cycle, High frequency voltage impulse transients (1MHz/4MHz sampling), 2kHz-150kHz conducted emissions recording
- 16GB Internal Memory
- Ethernet, USB, SD (includes 16GB micro-SD card and 8GB USB thumb drive).
- Build in Webserver, Email client, Modbus/TCP, SNMP

PQube 3e - Travel

- Ruggedized portable version of Pqube3e
 - Same specs as PQube 3 – Travel except:
 - 14 current channels instead of 8










PQube 3edv - Travel

- Ruggedized portable version of Pqube3e + VAT1 module
- Same specs as PQube 3 – Travel except:
 - 14 current channels instead of 8
 - 8 Voltage channels instead of 4 (Dual 3 phase voltage)

Options available

- Built-in 3G/4G Modem
- Built-in UPS
- Broad range of Rogowski (flexible) and clamp-on current clamps

TO FIND OUT MORE ABOUT
PQUBE 3 POWER ANALYZERS, CONTACT:

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