

PQube® 3 Portable



Features

- Easy to install, wire, and operate
- Ready to plug flexible CTs, fused voltage leads
- Self powers from the measured voltage (360 to 480Vac)
- Powers from 24 Vdc or with an external transformer 120 to 240 Vac
- 1 hour battery power backup
- Voltage range 100 to 480 Vac nominal.
- Current range (0 to 3000Amps)
- Power Quality Class A IEC 61000-4-30 Ed3*
- Monitors AC and DC (4 additional analog inputs)
- Detects High-Frequency transients at 4MHz
- Records 2kHz to 150kHz conducted emissions
- Optional 2 environment probes (temperature, humidity, barometric pressure, acceleration)

Overview

The PQube 3 Portable combines the powerful monitoring and communication capabilities of the PQube 3 Power Analyzer with the quick install feature of a portable instrument.

Designed for quick installation with Flexible CTs and fused voltage cables, it auto-detects frequency, nominal voltage and wiring configuration.

The PQube 3 Portable can be used stand alone with a USB stick for configuration and data download. If connected to a network, it delivers event notifications and daily, weekly, as well as monthly reports directly.

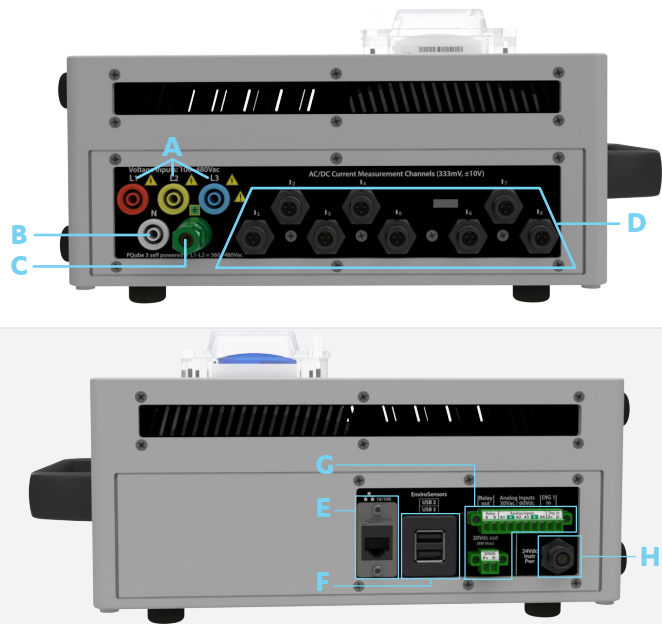
Results



- **Real-time readings via protocols**
Modbus, SNMP, BACnet, DNP3.0
- **Event recordings and graphs**
Text, CSV, GIF, and IEEE 1159-3 PQDIF
- **Daily, weekly, monthly, trends and graphs**
Text, CSV, GIF, and IEEE 1159-3 PQDIF

CONNECTIONS AND WIRING

A	L1, L2, L3 voltage inputs, Rated for 100 to 480Vac, 50/60Hz
B	Neutral terminal-optional depending on your power configuration
C	Earth terminal-Functional. Used as the reference point for voltage measurements.
D	Current transformer inputs-nominal 0.333V RMS (LOW range) or ± 10V (HIGH range)
E	10/100 Ethernet RJ-45 port. 48V PoE compatible
F	(2) Standard UB 1.0 ports for use ONLY with ENV2 environmental probes.
G	PQube 3 Analog & Digital I/O terminals
H	24VDC power supply input



SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Dimensions of PQube 3 Portable (L x W x H)	8.5 X 6 X 12 in (21.59 X 15.24 X 30.48 cm)
Weight of PQube 3 Portable	Approx 10 lbs (4.5kg)
Dimensions of Carrying Case (L x W x H)	22 X 9.5 X 13.5 in (55.88 X 24.13 X 34.29 cm)
Weight with Accessories & Carrying Case	Approx 25 lbs (11.3kg)
Accessories Included	<ul style="list-style-type: none"> • Carrying case • Power supply with power cable 100 to 240VAC input, 24VDC output • 4 Rogowski coils CT (0 to 3000A) • 1 Split core 5A current transformer (0.333V output) • 3 Fused voltage sensing leads (banana jacks), spare fuses • 2 Non-fused cables with banana jacks and alligator clips • Hook-and-loop mounting straps • Screwdriver
Operating Environment (temp., hum., alt.)	-20 to 45 °C, 5 to 95% RH (inside use), <2000 m above sea level (for EMC immunity, overvoltage, and other conditions, see full specs)
Backup Power	Up to 1 hr (configurable)
Internal Memory	32 GB (holds over a year of data)
Data Backup	16 GB (up to 128GB) micro SD card or USB 2.0 thumb drive
Clock Synchronization	SNTP, NTP, and GPS (optional)
Output File Types	GIF, text, CSV/Excel, and IEEE 1159-3 PQDIF
Communication	Ethernet port RJ-45, 10/100 (optional wireless and cell modem)
Communication Protocols	Modbus/TCP, DNP 3.0, BACNET, SNMP with traps, FTP or HTTP (secure FTPS and HTTPS), and email

* Meets or exceeds IEC 61000-4-30 Ed. 3 Class A

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