

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.

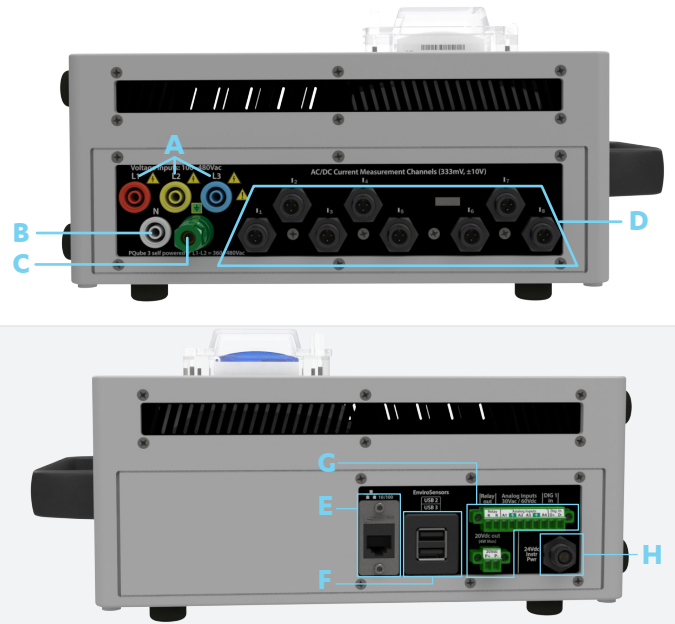
Results



- **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
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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