

## 3-Phase Graphical Power and Harmonics Analyzer

**Saves data on an SD card in Excel<sup>®</sup> format**  
For easy transfer to a PC for analysis

### Features:

- Large dot-matrix, sun-readable, graphical, backlit LCD
- Full system analysis with up to 35 parameters
  - V (phase-to-phase), V (phase-to-ground)
  - A (phase-to-ground)
  - KW / KVA / KVAR / PF (phase)
  - KW / KVA / KVAR / PF (system)
  - KWH / KVAH / KVARH / PFH (system)
  - Phase angle
- Select 200A, 1200A Current Clamps or 3000A Flexible Current Probes (sold separately)
- Adjustable Current Transformer CT (1 to 600) and Potential Transformer PT (1 to 1000) ratio for high power distribution systems
- On-screen Harmonics display (1 to 50th order)
- Simultaneous display of Harmonics and Waveform
- Display of Waveform with peak values
- Analysis of Total Harmonic Distortion (THD)
- Graphic Phase diagram with 3-Phase system parameters
- 3-phase Voltage or Current Unbalanced Ratio (VUR, AUR) and unbalanced factor
- Capture Transient events (including dip, swell, and outage) with programmable threshold (%)
- Log up to 30,000 readings on a removable SD memory card in Microsoft Excel<sup>®</sup> format
- Wide sampling rate range (2 seconds to 2 hours)
- Captured measurements can be imported directly into Excel via the SD memory card
- Built-in Clock and Calendar
- Easy-to-use onscreen menu
- Easy-to-hold rugged over molded housing



Complete with 4 voltage leads with alligator clips, 8 AA batteries, SD memory card, Universal AC adaptor (100 to 240V), and case. Clamp probes sold separately.



### Clamp Probes (Sold Separately)

Choose the best clamp probes to fit your application needs ranging from 200A to 3000A and flexible vs traditional jaw type.



**Model PQ34-2**  
200A Current Clamp Probes with 0.8" (19mm) jaw size



**Model PQ34-12**  
1200A Current Clamp Probes with 2" (50mm) jaw size



**Model PQ34-30**  
3000A (24"/600mm) Flexible Current Clamp Probes for wrapping around busbars



Backlit LCD displays numerical values. The data can be stored in SD memory card (included) and then transferred from meter to PC using Excel<sup>®</sup> software and datalogged readings.

### Ordering Information:

- PQ3470**.....3-Phase Power & Harmonics Analyzer/Datalogger
- PQ34-2**.....200A Current Clamp Probes (set of 3)
- PQ34-12**.....1200A Current Clamp Probes (set of 3)
- PQ34-30**.....3000A Flexible Current Clamp Probes (set of 3)
- PQ1000**.....Voltage Test Leads with Alligator Clips (4 leads)

Specifications	Range	Basic Accuracy
AC Voltage (True rms)	600.0V	±(0.5%rdg)
AC Current	3000A	±(0.5%rdg)
Active Power (MW)	9.999MW	±(1.0%rdg)
Apparent Power (MVA)	9.999MVA	±(1.0%rdg)
Reactive Power (MVAR)	9.999MVAR	±(1.0%rdg)
Power Factor	0.00 to 1.00	±0.04
Frequency Range	45Hz to 65Hz	±0.1Hz
Phase	-180° to +180.0°	±1°
Harmonics	1 to 50th	±2% (1 to 20); ±4% (21 to 31)
Crest Factor	1.00 to 99.99	±(5%)
Current Clamp input	200mV, 300mV, 500mV	±(0.5%rdg)
	1V, 2V, 3V; user-selectable	
Peak AC Voltage Accuracy		±(5%)
Peak AC Current Accuracy		±(5%)
Active Power Energy (MWH)	0.0kWh to 9.999MWH	±(2.0%rdg)
Apparent Power Energy (MVAH)	0.0KVAh to 9.999MVAH	±(2.0%rdg)
Reactive Power Energy (MVARH)	0.0KVARh to 9.999MVARH	±(2.0%rdg)
Datalogging	30,000 readings (2GB SD memory Card)	
Dimensions/Weight	8.86 x 4.92 x 2.52" (225 x 125 x 64mm) / 2.2lbs (1010g)	

### Available Kits:

- PQ3470-2** ....200A Power Analyzer Kit: PQ3470 with PQ34-2
- PQ3470-12** ..1200A Power Analyzer Kit: PQ3470 with PQ34-12
- PQ3470-30** ..3000A Power Analyzer Kit: PQ3470 with PQ34-30