

## 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:

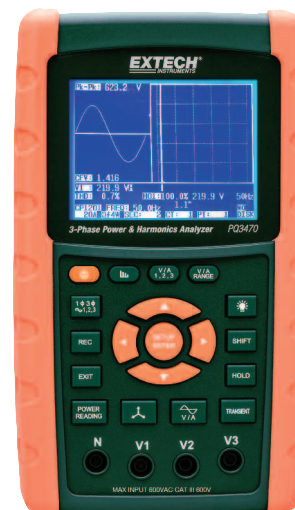
- Large dot-matrix, sun-readable, graphical, backlit LCD
- Full system analysis with up to 35 parameters
  - V (phase-to-phase), V (phase-to-ground)
  - A (phase-to-ground)
  - KW / KVA / KVAR / PF (phase)
  - KW / KVA / KVAR / PF (system)
  - KWH / KVAH / KVARH / PFH (system)
  - Phase angle
- Select 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



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)

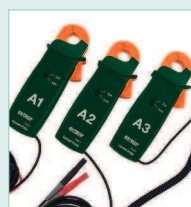


Complete with 4 voltage leads with alligator clips, 8 AA batteries, SD memory card, Universal AC adaptor (100 to 240V), and case. Clamp probes sold separately.



### 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

| 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<br>1V, 2V, 3V; user-selectable      | ±(0.5%rdg)                    |
| 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