

## 3-Phase Power Analyzer/Datalogger

 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, numerical, 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
- Log up to 30,000 reading on a removable SD memory card in Microsoft Excel<sup>®</sup> format
- Wide sampling rate range (2 seconds to 2 hours)
- 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.

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 PQ84-2  
200A Current Clamp  
Probes with 0.8" (19mm)  
jaw opening



Model PQ84-12  
1200A Current Clamp  
Probes with 2" (50mm)  
jaw opening



Model PQ84-30  
3000A (24"/600mm)  
Flexible Current Clamp  
Probes for wrapping  
around busbars

### Ordering Information:

PQ3450.....3-Phase Power Analyzer/Datalogger  
PQ84-2 .....200A Current Clamp Probes (set of 3)  
PQ84-12 .....1200A Current Clamp Probes (set of 3)  
PQ84-30 .....3000A Flexible Current Clamp Probes (set of 3)  
PQ1000.....Voltage Test Leads with Alligator Clips (4 leads)

Available Kits:

PQ3450-2 .....200A Power Analyzer Kit: PQ3450 with PQ84-2  
PQ3450-12 .....1200A Power Analyzer Kit: PQ3450 with PQ84-12  
PQ3450-30 .....3000A Power Analyzer Kit: PQ3450 with PQ84-30

| 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°            |
| Current Clamp input           | 200mV, 300mV, 500mV<br>1V, 2V, 3V, user-selectable | ±(0.5%/rdg)    |
| 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                    | 8.86 x 4.92 x 2.52" (225 x 125 x 64mm)             |                |
| Weight                        | Meter: 2.2lbs (1010g)                              |                |