


# 3-Phase Power Analyzer/Datalogger

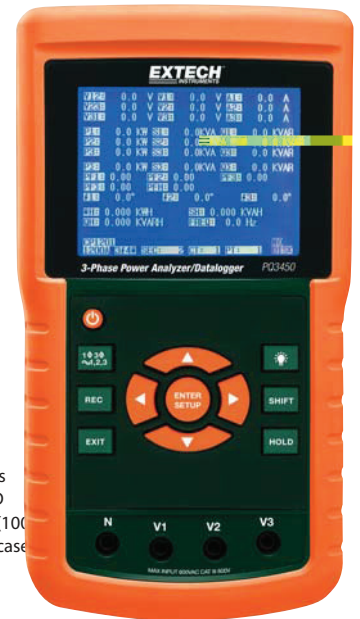
 Saves data on an SD card in Excel \* format  
For easy transfer to a PC for analysis

## 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
- Optional 200A, 1200A Current Clamps or 3000A Flexible Current Probes
- 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 \* 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 Extech software and datalogged readings.



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

## Optional Clamp Probes

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 opening



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



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

Specifications	Range	Basic Accuracy
ACV (True rms)	600.0V	±(0.5%rdg+0.5V)
ACA	1200A	±(0.5%rdg+0.5A)
Active Power (MW)	9.999MW	±(1.0%rdg+0.008MW)
Apparent Power (MVA)	9.999MVA	±(1.0%rdg+0.008MVA)
Reactive Power (MVAR)	9.999MVAR	±(1.0%rdg+0.008MVAR)
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 1V, 2V, 3V; user-selectable	±(0.5%rdg+5d)
Active Power Energy (MWH)	0.0kWh to 9.999MWH	±(2.0%rdg+0.008MWH)
Apparent Power Energy (MVAH)	0.0KVAh to 9.999MVAH	±(2.0%rdg+0.008MVAH)
Reactive Power Energy (MVARH)	0.0kVARh to 9.999MVARH	±(2.0%rdg+0.008MVARH)
Datalogging	30,000 readings (2GB SD memory Card)	
CE/CAT rating	CE/CAT III-600V	
Dimensions	8.86 x 4.92 x 2.52" (225 x 125 x 64mm)	
Weight	Meter: 2.2lbs (1010g)	

## Ordering Information:

- PQ3450.....3-Phase Power 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)



**airconcern**

more info for Extech PQ3450

Phone: 01235 838 555

Email: cs@airconcern.co.uk

Web: www.airconcern.co.uk

Air Concern Ltd, Building 173 Curie Avenue Harvell Didcot, Oxfordshire