

## PQR Series Power Quality Recorders

For **SINGLE, DUAL, THREE PHASE, and ENVIRONMENTAL** applications.

- ◆ User - Friendly
- ◆ Data Logging
- ◆ Multiple Channel Monitoring
- ◆ Fast Impulse Detection
- ◆ Easy to Understand Reports
- ◆ Reasonable Pricing
- ◆ Made in USA

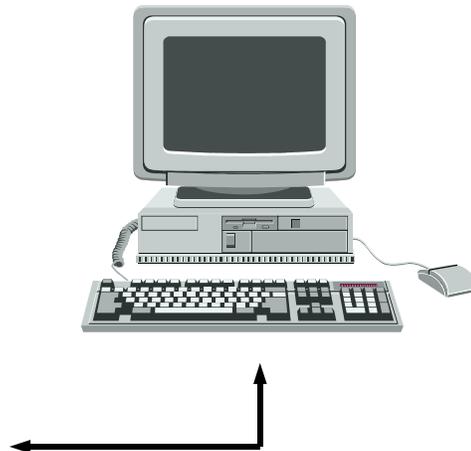
The PQR Series of Power Quality Recorders are designed to meet a wide range of Power and Environmental testing needs. Models range from the simple - PQR D50, Single Phase to the Sophisticated - PQR 1010, Dual AC, Dual DC, Current, and Temperature recorder, with many Models in between.

# PQR Series

## PQR D50

- ◆ Measures all types of disturbances
  - \* Spikes
  - \* Sags
  - \* Line Frequency
  - \* Dropouts
  - \* Surges
  - \* AC Voltage
  - \* Common Mode Noise
  - \* High Frequency Noise
  - \* Power Failures
- ◆ Disturbance Threshold selectable by the operator
- ◆ Simple to operate:
  - 1) Plug cord into a grounded outlet
  - 2) Let the unit monitor the line for 24-72 hours
  - 3) Connect to computer for printouts
- ◆ Stores events in non-volatile FLASH RAM
  - \* 32,000 Event Storage
  - \* Data log 20 Days of readings

In addition to full Text Detail and Summary reports, event information such as the Magnitude, Time, and Date of each of the disturbances is converted to useful Pie and Bar Charts on your IBM Compatible PC.



# PQR Series

## PQR 1010

- ◆ User - Friendly
- ◆ Multi Channel - AC Voltage, DC Voltage, Current, Humidity and Temperature
- ◆ Disturbance Recorder and Voltage Logger
- ◆ Easy to Understand Reports
- ◆ Simple connection to a Computer or Terminal
- ◆ Made in USA

The PQR1010 Power Quality Recorder is a state of the art, fully integrated instrument which measures, records, and reports power disturbances, aiding in the analysis of power quality in medical, commercial and industrial applications.

Disturbances detected on multiple channels are recorded by their time, date, magnitude, and duration in a non-volatile RAM memory. This data is then retrieved from the analyzer through its' serial communications port.

Connections to the PQR-1010 are made between the safety connectors on the back of the unit, and the circuit panel to be tested. The power to operate the unit comes from any standard 110v / 220v AC outlet. Once plugged in, the PQR-1010 immediately begins testing the signals on the input connectors.

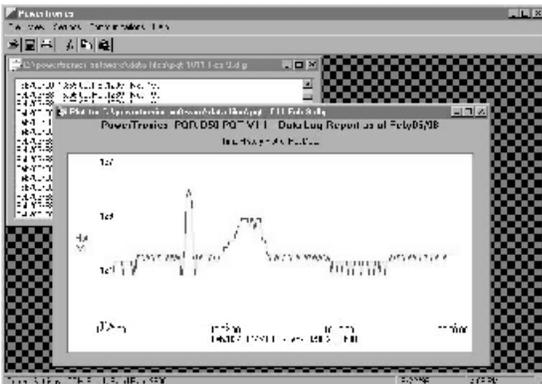


*The PQR 1010 is one of a series of practical power line monitors, designed and priced to be outfitted to everyone who services or installs electrical, and electronic equipment.*

*In addition to full Text Detail and Summary reports, event information such as the Magnitude, Time, and Date of each of the disturbances is also reported.*

## GRAPHICS SOFTWARE INCLUDED!

Provided with the **PQR 1010** is the **PQR HOST COMMUNICATIONS** Software. This software allows you to easily download the data and display or print the **DATALOG** chart over time, the **PIE CHART** of the summary of events or the **HISTOGRAM** of the detail of events.



## Features

- ◆ Measures all types of disturbances
  - \* Spikes
  - \* Sags
  - \* Line Frequency
  - \* Dropouts
  - \* Surges
  - \* AC Voltage
  - \* Common Mode Noise
  - \* High Frequency Noise
  - \* Power Failures
  - \* Data Logging
- ◆ Simple to operate:
  - 1) Connect the test leads to a service panel
  - 2) Plug the power cord into a grounded outlet
  - 3) Periodically connect to a computer for reports
- ◆ Stores events in non-volatile FLASH RAM
  - \* 32,000 Event Storage
  - \* Stores the average reading every minute for up to 20 days on each channel

## PQR 2020

### Three Phase Voltage Power Disturbance Monitor

- ◆ User - Friendly
- ◆ Programmable
- ◆ Multiple Phase Monitoring
- ◆ Fast Impulse Detection
- ◆ Easy to Understand Reports
- ◆ Made in USA

The PQR2020 Power Disturbance Analyzer is a state of the art, fully integrated instrument which measures, records, and reports power disturbances, aiding in the analysis of power quality for AC power in medical, commercial and industrial applications.

Power disturbances detected on multiple channels are recorded by their time, date, magnitude, and duration in a non-volatile RAM memory. This data is then retrieved from the analyzer through it's serial communications port.

Connections to the PQR-2020 are made between the safety connectors on the back of the unit, and the circuit panel to be tested. The power to operate the unit comes from any standard 110v / 220v AC outlet. Once plugged in, the PQR-2020 immediately begins testing the signals on the input connectors.



**PQR-2020  
Power  
Disturbance  
Analyzer**

By:  
**PowerTronics**

## The “DETECTIVE” Series Models D200 & D300

- ◆ Measures all types of disturbances
  - \* Spikes
  - \* Sags
  - \* Line Frequency
  - \* Dropouts
  - \* Surges
  - \* AC Voltage
  - \* Common Mode Noise
  - \* High Frequency Noise
  - \* Power Failures
- ◆ Disturbance Threshold selectable by the operator
- ◆ Simple to operate:
  - 1) Plug cord into a grounded outlet
  - 2) Let the unit monitor the line for 24-72 hours
  - 3) Connect to printer or computer for printouts



*Model D200 Shown*

- ◆ Stores events in non-volatile FLASH RAM
  - \* 32,000 Event Storage
  - \* Data log 20 Days of readings
- ◆ Easy to understand full 8-1/2” x 11” printed reports (when connected to a printer)
- ◆ Immediate viewing of disturbance events and programming menus via the unit’s LCD display
- ◆ D300 and D200 will test Temperature, The Ground line and DC Voltage
- ◆ D300 is housed in a rugged carrying case, and has a built in printer

## PI-500 Power Investigator

- ◆ Full Function Power Disturbance Monitor
- ◆ Very Low Cost
- ◆ Measures all types of disturbances
  - \* Spikes
  - \* Sags
  - \* Line Frequency
  - \* Dropouts
  - \* Surges
  - \* AC Voltage
  - \* Common Mode Noise
  - \* High Frequency Noise
  - \* Power Failures
- ◆ Input Voltage Range 80 - 300 VAC
- ◆ Simple to operate:
  - 1) Plug cord into a grounded outlet
  - 2) Let the unit monitor the line for 24-72 hours
  - 3) Connect to printer for printouts



**EASY TO USE,  
EASY TO UNDERSTAND,  
VERY LOW COST !**

The Power Investigator generates a Cause and Effect Report which gives a clear understanding of what causes the type of power problems which were detected ON SITE. To fix the problems there's no more guessing. The Power Investigator Solutions Guide Report helps you find the problems and make the right power protection decision.

## Probe 100 Monitor

- Tool Box size monitor measures common-mode noise, spikes, high frequency noise, surges, sags, power failures, and power dropouts
- Determines if the outlet is wired properly
- Detects power problems quickly and economically
- The PROBE continuously monitors the line for high or low AC line voltage conditions.
- Simple to operate
  - Plug it in, and press the Reset button
  - Periodically check the LEDs

*The Probe stores events until reset by operator !*



The Probe is useful in identifying types of power disturbances that are on the line. It is like a snapshot of specific power problems. If you are having a problem with a computer system or peripheral, the Probe can be plugged into the same circuit and left for a period of time. When a problem is experienced with the equipment, immediate checking of the Probe's LEDs will indicate the worst case power problem. If none of the LEDs are illuminated then the problem may be with the hardware. The LEDs that are illuminated indicate the types of disturbances that may be affecting the equipment. The LEDs on the Probe "latch" in the ON position when the device receives a disturbance.