

AiREPORTS

for Nexus Communicator 3.0

Power Quality Reporting & Diagnostic Tool

Diagnoses Causes & Offers Solutions to PQ Events

- Turn Raw Data from Nexus Series Power Meters into Answers
- Use Artificial Intelligence to Diagnose Causes of Events
- Comprehensive Analysis & Reporting of All PQ Conditions
- Index Severity of Events
- General Accuracy Better than 80%
- Access Through Nexus Communicator Toolbar
- PDF Format for E-Mail Transfer of Reports
- **Includes PQDIF Converter**
- **Includes COMTRADE Converter**

3.0

NEW!
Includes PQDIF &
COMTRADE
Converters!



Description

Electro Industries, in conjunction with Kreiss Johnson Technologies, the leader in power quality analysis software, introduces the quantum leap in power quality reporting technology, AiReports 3.0.

This unequalled power quality software package not only provides a comprehensive report on the status of the equipment being monitored, but it also uses artificial intelligence to diagnose the PQ events and provide the possible cause of the event. Accuracy is generally as high as 80%. Having this advanced analysis will cut endless hours of engineering analysis.

A Team of Power Quality Experts at Your Fingertips

Wouldn't you like a team of power quality experts helping you analyze your data? With AiReports, it is easy...click a button and let AiReports do the rest.

A professional report is ready within minutes to view or print. The report will indicate if you have a power quality problem, the severity of the problem, what may be the origin of the problem and a recommended solution. If you like, you can modify the report using your favorite word processor.

Get Your Answers Fast

When power quality problems occur, the events are often transitory in nature. Determining the cause of the problem is usually difficult and complex. A power quality report can take days to complete. Facility engineers usually do not have the time to perform detailed waveform signature analysis.

Using this package, you will get a complete, professional looking report in minutes. This will save countless analysis hours, increase productivity and decrease downtime.

How Does It Work?

AiReports uses the knowledge of the industry's leading power quality experts to provide you with answers, not just data. Their knowledge is stored in AiReports using artificial intelligence tools such as Fuzzy Logic and Neural Networks. AiReports reviews the data collected by your EI monitor, both numeric values and waveforms. It then isolates power quality disturbances, calculates their severity and determines their source of origin, including whether they originated upstream or downstream from the monitoring location.

Based upon the analysis, AiReports also provides an industry-accepted solution for the problem. Examples of the embedded knowledge are voltage waveform patterns of motor starts and capacitor switching. Knowledge is also embedded as a "rule". An example of an embedded rule is, "if a major current increase is recorded during a voltage sag the origin of the sag is downstream from the monitoring location." With hundreds of waveform patterns and rules, the user of AiReports truly has a staff of experts behind him.

 **Electro Industries/GaugeTech**
The Leader in Web Accessed Power Monitoring



Edit the Report Using Standard Word Processors

AiReports presents the analysis in a clear detailed report that can be directly transmitted to a colleague or edited using your own word processing software such as Microsoft Word®. This allows you to customize the report, edit criteria and notate as needed.

Export Data in a PDF Format for Easy E-Mailing

AiReports allows you to take the final report and save it in an Adobe Acrobat® PDF file format. You must own Adobe Acrobat® to access this feature. Using standard PDF format to send e-mailed reports quickly. It can be opened by anyone with Adobe Acrobat Reader (free download from the Adobe website).

COMTRADE Converter

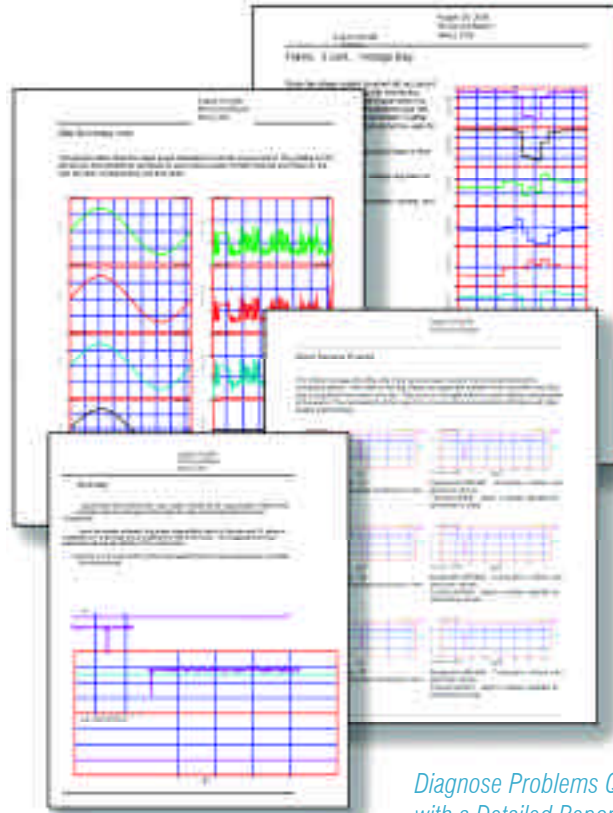
AiReports now includes support for Common Format for Transient Data Exchange (COMTRADE).

COMTRADE defines a format for data files and exchange media containing transient waveform and event data collected from power systems or power system models. This provides an easily interpretable form for use in exchanging data between applications.

Includes PQDIF Converter

AiReports now includes a PQDIF function enabling users to convert all waveform files to standard PQDIF and import data into standard utility PQ reporting systems. This allows waveform and PQ files to work directly with installed EPRI PQ

recording programs. PQDIF is a platform-neutral, flexible means of exchanging power quality data between monitoring equipment and software and provides the perfect solution for problems stemming from differing file formats.



*Diagnose Problems Quickly
with a Detailed Report*

Ordering Information

Specify the following part Number:

AIREPORTS 1C:	AiReports Single-Computer License Single Site
50 Hz	50 Hz version
60 Hz	60 Hz version
AIREPORTS MC:	AiReports Multi-Computer License Single Site
50 Hz	50 Hz version
60 Hz	60 Hz version

Minimum Requirements

- Nexus Communicator 3.0
- Nexus Meter with PQ and Waveform capture
- Adobe Acrobat® 4.0 (or higher) to generate PDF file
- High Speed Computer
- Windows® 98, NT, 2000, XP (or higher)

NOTE: All Licenses come with one year of free upgrades and support.



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