

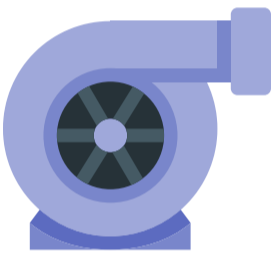


Prolucid Power Quality Analyzer (PQA)

Using National Instruments' hardware, Prolucid PQA delivers advanced real-time, historical analytics and measurements to extend the capabilities of your energy management solution. It enables customers to gather an extensive array of power data including harmonics, voltage fluctuations, overvoltage condition and other anomalies that can disrupt power in transmission and distribution infrastructure.



The powerful NI CompactRIO 9068 supports two independent simultaneous power quality analyzers in one hardware platform. Each PQA can be independently configured and customized with support for up to 4 voltages and 4 currents each. Both PQAs are synchronized via built-in support for IEEE 1588, GPS, or NTP.



Asset Monitoring

Any device can alert and notify utilities as operating conditions change or fall outside of preset parameters.



Network State

Continuous monitoring of the devices improves analysis of event detection by providing real-time data surrounding the event.



Outage Management

Grid efficiency and customer satisfaction are improved by alerting the EMS when there is a power outage. By monitoring each device, utilities can improve response times to reduce the economical impact of an outage.

Specifications

Communications Protocols

- Serial and TCP/IP Modbus
- Serial and IP DNP3
- IEC-61850
- DDS
- Open architecture allows for any standard protocol

Standards

- IEC 61010-1, CSA 61010-1
- EN 61326-2-1 (IEC 61326-2-1)
- EN 55011(CISPR11): Group 1, Class A, AS/NZS CISPR 11: Group 1, Class A, FCC 47 CFR Part 15B: Class A, ICES-001: Class A
- IEC-61000-4-7, IEC61000-4-15, IEC611000-4-30-EN 50-60-2007
- IE Std. C37.1111—19999

Environment

- 50g shock, 5g vibration ratings
- -40 to +70C operating temperature range

To learn more contact info@prolucid.ca