RESOLVE
POWER QUALITY IN REAL-TIME

REAL-TIME POWER QUALITY ANALYSIS

Tackling Power Quality as part of an energy management programme has proven to show significant savings for organisations. It ensures that companies avoid the drain on productivity and revenue resulting from poor power quality.

Resolve is designed to streamline Power Quality monitoring enabling real-time remote analysis.

Allowing engineers to view ultraprecise results immediately from the convenience of a mobile device means that issues can be quickly and easily identified, saving valuable time and money.

RESOLVE IS A REAL-TIME, WEB-BASED
POWER QUALITY MONITORING SYSTEM FOR ENTERPRISE.

It provides organisations with many benefits, particularly when compared with traditional handheld devices, such as:

- View ultra-precise event data live from the convenience of your mobile device.

- Query millions of Power Quality events across your whole estate in just seconds.

- Quickly identify issues without the need for pre-defined, lengthy sampling periods, allowing speedy remediation that saves time, money and potential equipment downtime.

- Cycling loads coupled with real time mobile monitoring, while surveying a facility, allows fast identification of troublesome equipment.

- Verify data integrity from first install, as corrupt data, incorrect connections or settings are immediately visible via the software, saving valuable time and effort.

- Refine hardware thresholds remotely without the need for site visits, shutdowns or Live Works Permits.

- Get true insight into site power quality events with high resolution sampling of over 500 samples/cycle.

- Save money by mitigating excess MIC charges with automated load shedding option.

RESOLVE
POWER QUALITY IN REAL-TIME

POOR POWER QUALITY IN NUMBERS

€150 Billion
Total annual cost to EU business due to Power Quality issues*

80%
Power Quality disturbances generated inside facility**

4%
Annual turnover in industry caused by poor Power Quality*

PRODUCT FEATURES

- Dual Monitoring option ideally suited to Transformer Performance Monitoring.

- Record environmental data such as temperature, humidity and barometric pressure, vibration, 3-axis acceleration as well as process parameters. For example, torque, RPM, fuel level, water flow, and more.

- Ability to switch off up to 8 non-critical loads in a pre-defined sequence.

- Record every type of AC power disturbance including 4MHz sampling of impulses.

- Report on kW, kVar, amps, PF, harmonics, voltage variation, flicker, kWh and much more.

- Monitor up to two three-phase loads or eight single-phase loads simultaneously.

- Diverse options for long term data storage and analysis, ranging from daily through to multi-year.

- Secure communications independent of your IT infrastructure.

- 3G/4G or Ethernet connectivity.

- Connects directly to voltages up to 690 V.

- Certified for Class A power quality according to IEC 61000-4-30 Ed3.

- Power Quality product reports conforming to EN 50160.

- Computes 4-quadrant ANSI Class 0.2 revenue–grade energy on eight single-phase channels.

- Measures harmonics in real-time and records from 2kHz to 150kHz emissions.

- Monitor DC Power in excess of 4kV and 1500 Amps.

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