

POWER QUALITY (THAILAND) CO., LTD.

PQT NEWSLETTER

Date: Dec 2nd, 2020

Power Quality (Thailand) Co., Ltd. will remain open for business during the COVID-19 pandemic and continue to offer sales, service and technical support.

For information on our products and services, you can still keep in touch with us by telephone and e-mails.

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We're on the Web

www.powerquality.co.th

www.powerquality.org

www.pqsynergy.com

www.pqsim.com

<https://powerquality.blog/>

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Call for Paper
Registration Form
Sponsorship Form

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What's new...

Products

Dranetz - DranXpert

AM Series Energy Meters - AM1000, AM2000, AM3000



Power Quality Blog

Power Quality Blog has been created by Power Quality (Thailand) Co., Ltd. to share knowledge, and experience in solving power quality challenges.

We focus on a wide range of power quality related issues, such as harmonics, transients, voltage variations, flicker, poor power factor, voltage sags and swells, and unbalance electrical loads etc.

PQ Blog also includes case studies, power standards, power protection, PQ meters, PQ technologies, PQSynergy™ papers and much more.

Visit our blog [Power Quality Blog](https://powerquality.blog/)

In Memory of a Power Quality Pioneer.

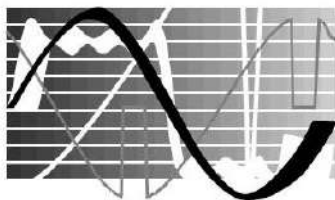
Mr. Robert (Bob) Moore Los Gatos, California



Bob Moore was one of the founders of Basic Measurement Instruments in 1984 the first PQ monitor to present waveform graphics. In 1990 he and team of PQ experts and state of the art digital designers started Reliable Power Meter Inc in Los Gatos Calif. He and his team attained 7 patents for inventing the first all digital Power and PQ monitor. The measurement techniques developed by Bob and his team are now in use by almost all PQ monitors in compliance with IEC standards.

Factoid

The International Energy Agency (IEA) report on key electricity trends in the world's developed economies, released last week, shows renewable energy overtaking coal as a source of electricity generation for the first time in 2019.



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About Us

Power Quality (Thailand) Co., Ltd. was founded in 1987 by professionals with more than 30 years of experience in the power quality industry to offer engineering services and products worldwide.

We offer a wide range of power quality products and services, including electrical system power analysis, testing, monitoring, trouble analysis, fault diagnostics, ground current testing, leakage current testing, power quality sensitive testing, design advice for power quality and power quality training for end user and utility customer engineers.



20th Annual PQSynergy™ International Conference and Exhibition

Due to the COVID-19 pandemic. The 20th Annual PQSynergy™ International Conference and Exhibition has been rescheduled for March 29th - 31st, 2021, Bangkok, Thailand. Be well and stay safe.

PQSynergy™ is an international forum to share experiences, requirements, questions, information, customer requirements, problems and solutions in the fast growth area of Quality of Supply (QOS) requirements of sensitive loads, Energy Conservation and Management and Power Quality Monitoring and Solutions.

- Utilities will share their experiences in the area of power quality.
- Large power users will share their present and future expectations for power quality.
- Equipment suppliers will share their overall market perspective and their specific solutions for power quality problems.



Program Focus

Power Quality, Energy Efficiency, Solutions for power quality issues technical papers and a PQ solutions workshop with PQ expert panel discussions

Call for Papers	Submission Deadline Dates
Registration	TBA
Abstract Submission	TBA
Notification of Acceptance	TBA
Final Full Paper Submission	TBA

We would like to cordially invite you to participate in this event. It will be an ideal opportunity to share experiences and exchange idea. If you would like to submit a paper on this exhibit, it would be the most welcome

We look forward to your favorable response to this exhibit/invitation.

Exhibiting, Speaking or Sponsoring

For information you can contact:

Ms. Arreerat Kaewbophit, Conference Manager.

E-mail: arreerat@powerquality.co.th

NEW PRODUCTS



AM Series Energy Meter



The AM series, [AM1000](#), [AM2000](#), [AM3000](#) panel mounted demand and energy meters round out the power monitoring capabilities. Each provides a complete 4 quadrant power/energy monitoring solution that includes condition based alarming, harmonics, PQ disturbance recorder, and more. [SmartCollect](#) software automatically collects data from all instruments, or you can use your own SCADA or other software system by using the Modbus, IEC 61850 or Profinet protocols. Users can review real time meters, recorded data and modify setups locally by using the bright, colorful display or remotely by using the web based graphical user interface. Whether your application requires demand and energy monitoring, power quality monitoring or both, Dranetz can meet your fixed system needs.

- Direct measurement up to 690V, CATIII
- Measures: V, I, W (P), VA (S), VAR (Q), PF, Demand, Energy, process parameters & much more
- Color display – 3.5" or 5.0" TFT (model dependent)
- Web server for real time meters, setup, reporting (requires Ethernet)
- PQ Disturbance recorder, 1/2 cycle RMS values per IEC 61000-4-30 (model/option dependent)
- Limit & condition monitoring with alarming
- Harmonic analysis in accordance with IEC 61000-4-7

- System imbalance monitoring
- Ethernet, RS485, Modbus, Profinet, IEC 61850 (model/option dependent)
- Standard Digital I/O. Optional Analog outputs, Relays, Digital inputs
- Temperature monitoring (optional)
- Fault detection (optional)
- Compatible with [SmartCollect](#) software or your own software (via Modbus & other protocols)
- UL and CE Compliant. 3 Year Warranty



NEW PRODUCTS



DranXperT is two products in one:

1. *Accurate, 3 phase, bi-directional power/energy logger*
2. *PQ detector with 1/2 cycle resolution to identify and record common PQ issues such as sags/dips, swells, and interruptions, as well as changes in current*



- Sampling Frequency: 32ksps (recorded and real-time meters), 128 samples per cycle (periodic waveform snapshots)
- Journal Rate: User selectable (1 sec min interval)
- Snapshot Rate: User selectable (60 sec min interval)
- Demand Interval Storage Rate: User selectable (1 min to 1440 min)
- Sag/dip, swell trigger resolution: 1 cycle (uses IEC 61000-4-30 Class S methods)
- Panel indicators: RGB LEDs for monitoring on/off, energy flow, PQ event indication, battery charging/status, wiring status

PQ Workshop



Date, venue and topics will be informed later

For more information or request for quotation. You can contact us by e-mail: info@powerquality.co.th