

Power Quality
Thailand LTD.

Power Quality (Thailand) Ltd.
www.powerquality.co.th

PQT Organizer Commercial Message

Terry Chandler

Founder

Director of Engineering



Power Quality (Thailand) Ltd.
www.powerquality.co.th

- Thailand corporation founded in 1986
 - Terry Chandler , Founder, Director of Engineering
 - Mrs. Natchuda Thungsub, Managing Director
 - Ms. Nipaporn Marketing in PQsynergy manager
 - Ms. Panida Power Quality Engineer
 - Mr. Jay Babin , director of new business development
- Asia Management for Dranetz/BMI
- Asia Technical support and service center for Dranetz/BMI
- Distributor of Power Quality and Energy measurement instrumentation in Thailand and neighboring countries
- Power Quality Engineering services Asia Pacific



Training courses available

- Power Quality Practitioner™
 - Power Quality Training for Electric Utility engineers
 - Power Quality Training for Facility engineers
 - 1 day, 2 day and 5 day classes
- User training
 - Dranetz instruments
 - Dranview software
 - Pqview software
- 61850 basic training



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- Repair services for PQ instruments
 - BMI, RPM, Dranetz, Summit Technology, others
 - Penang and Bangkok
- Software support for Dranetz-BMI, Electrotek, RPM
- Power Quality Training
- Tools and Accessories for Safety and security of PQ instruments and engineers



Products distributed by PQT

- Dranetz Inc (USA) Power Quality Monitors and System
- Electrotek (USA) Pqview software
- PowerMetric Portable Revenue Meter calibration
- Ponovo LTD. Relay testing

NEW Product introduction

Power Quality Events Simulator

A training tool for PQ Monitors
and PQ Engineers

Power Quality Thailand LTD (230v 50HZ)

Power Quality Inc (USA) (120 V 60HZ)

PQSIM 100-D PQSIM 200-D

- The PQSIM 100-D PQSIM 200-D were designed by Power Quality Experts with more than 25 years' experience testing and documenting Power Quality with a wide variety of instruments
- The PQSIM 100-D provides an automatic sequence of PQ events.
 - Demonstration of Dranetz portable PQ monitors
 - Demonstration of Set up and report writer included
- The PQSIM 200-D provides the user with the capability to select PQ events and their magnitude to test PQ instrument setups and capture capability with a repeatable and predictable voltage and current waveform.



Prototype Photos!!!

PQSIM 100-D Features

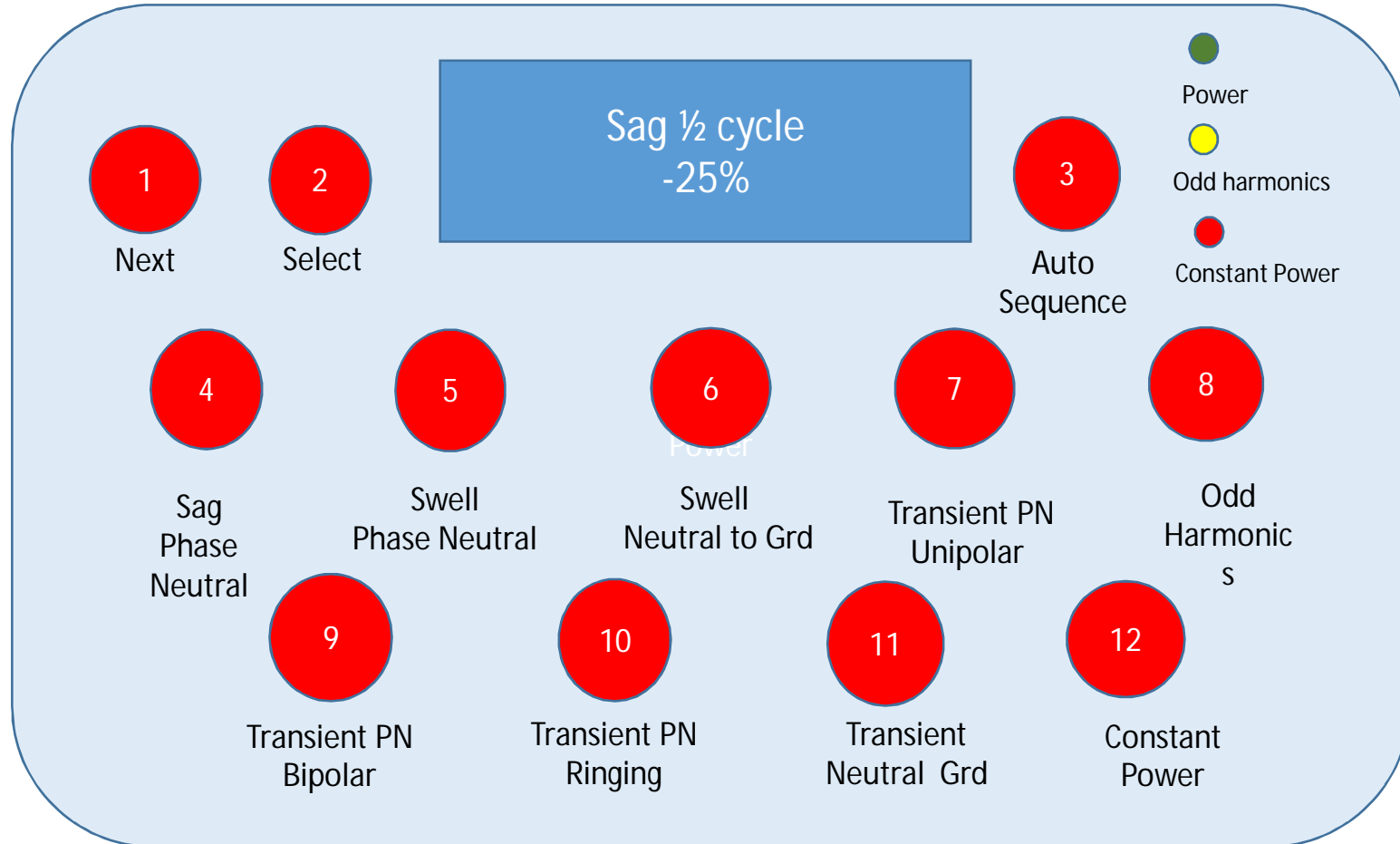
Demonstration tool for sales demonstrations of PQ monitoring equipment. A training tool for new PQ engineers to learn threshold settings and data recording parameters.

- PQSIM 100-D automatically generates single phase 230V 50 hz stable voltage and then sequences thru a series of PQ events.
- A single button operation for ease of use to demonstrate the capability of PQ instruments to capture complex events.
 - Volt Sag Phase to Neutral 25% 2 cycle
 - Voltage swell Phase to Neutral 2 cycles
 - Voltage swell Neutral to Ground
 - Transient Unipolar Phase to Neutral
 - Transient Unipolar Neutral to Ground
 - Transient Bipolar Phase to Neutral
 - Transient Low Frequency decaying ring wave
 - Odd Harmonic Distortion

PQSIM 200-D

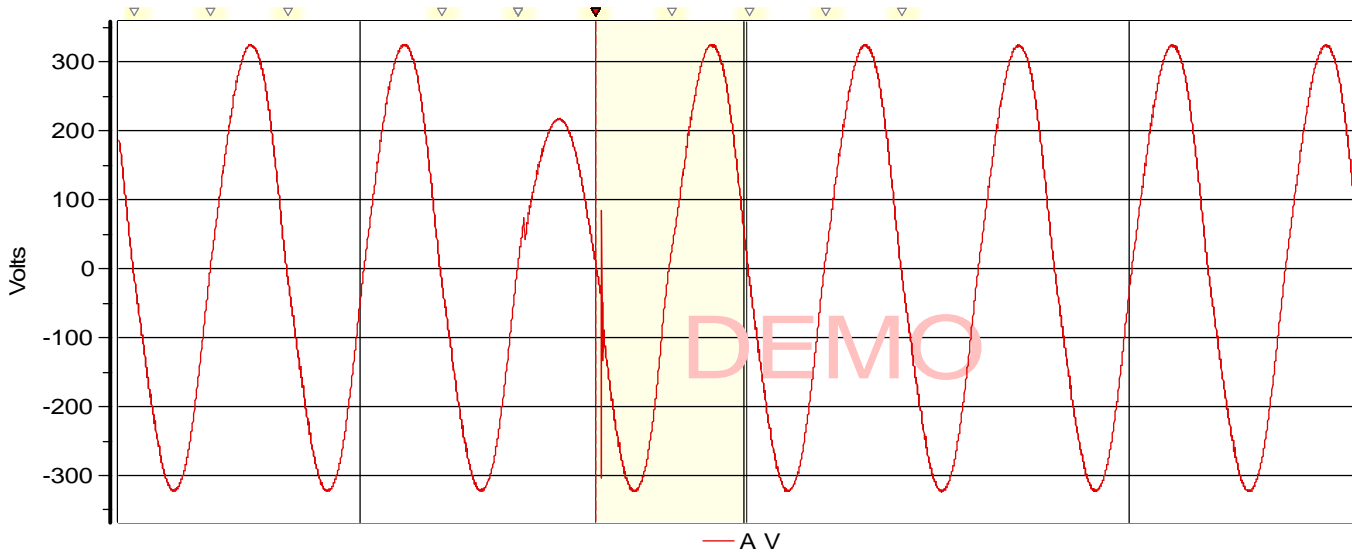
- PQSIM 200-D features User selectable events and event parameters to train new PQ instrument users and engineers and an automatic sequence of PQ events.
- Voltage Harmonics and switching non-linear loads.
- Current waveform output during events.
- Neutral to ground voltage events, voltage surge, voltage transients
- Current output with TR-Type connector for Dranetz instruments
- User selectable events and event parameters to train new PQ instrument users and engineers.

BACK



FRONT

Voltage sag 1/2 cycle



15:12:31.15
04/07/2015
Tuesday

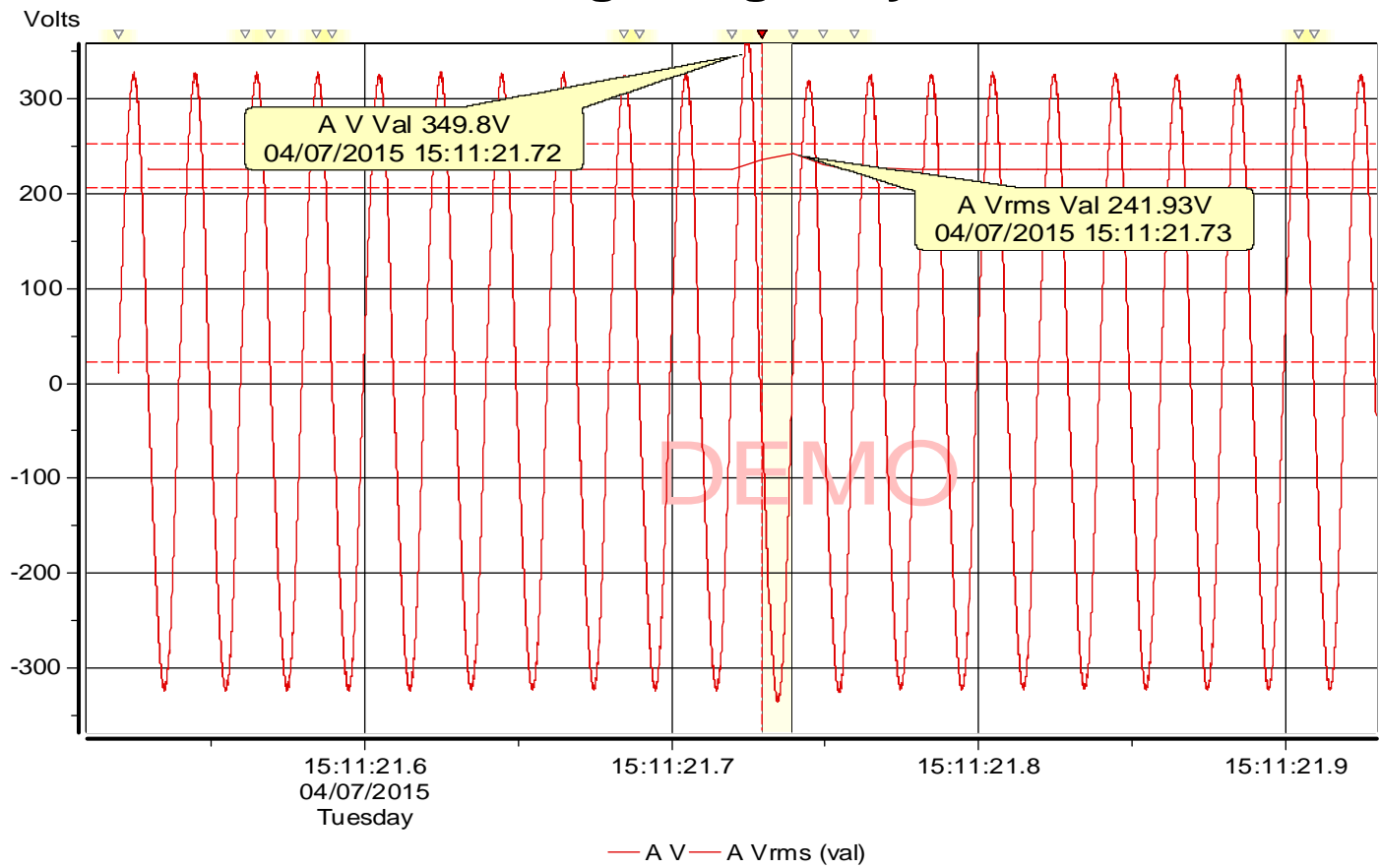
15:12:31.20

15:12:31.25

Event #133 at 04/07/2015 15:12:31.180
AVrms Instantaneous Sag
CATEGORY: Short Duration Instantaneous Sag
Threshold crossed 207.0 V
Magnitude 191.6 V
MaxRMS 193.0 V
Duration 0.01999 Sec.



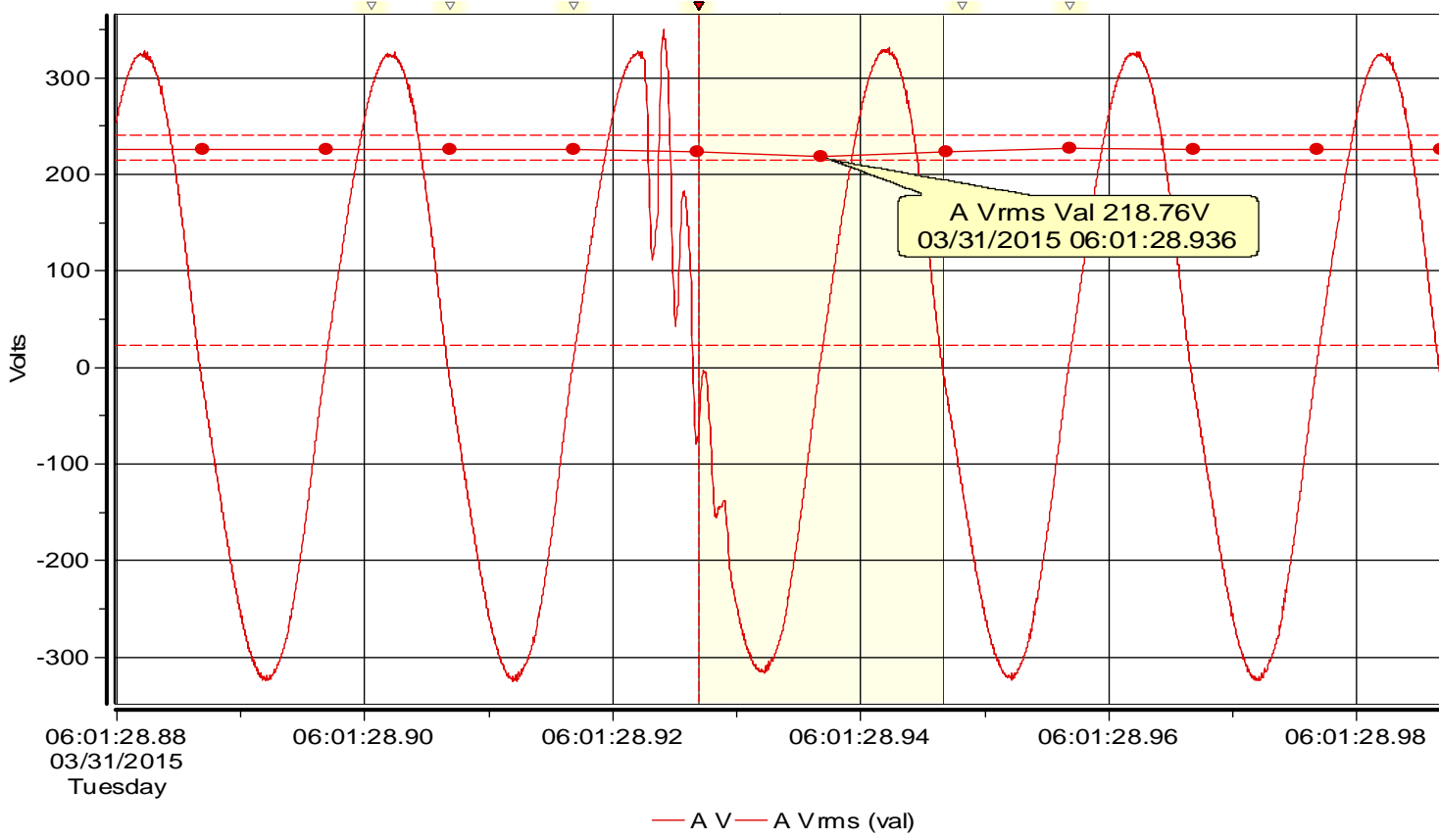
Voltage surge 1 cycle



DEMO



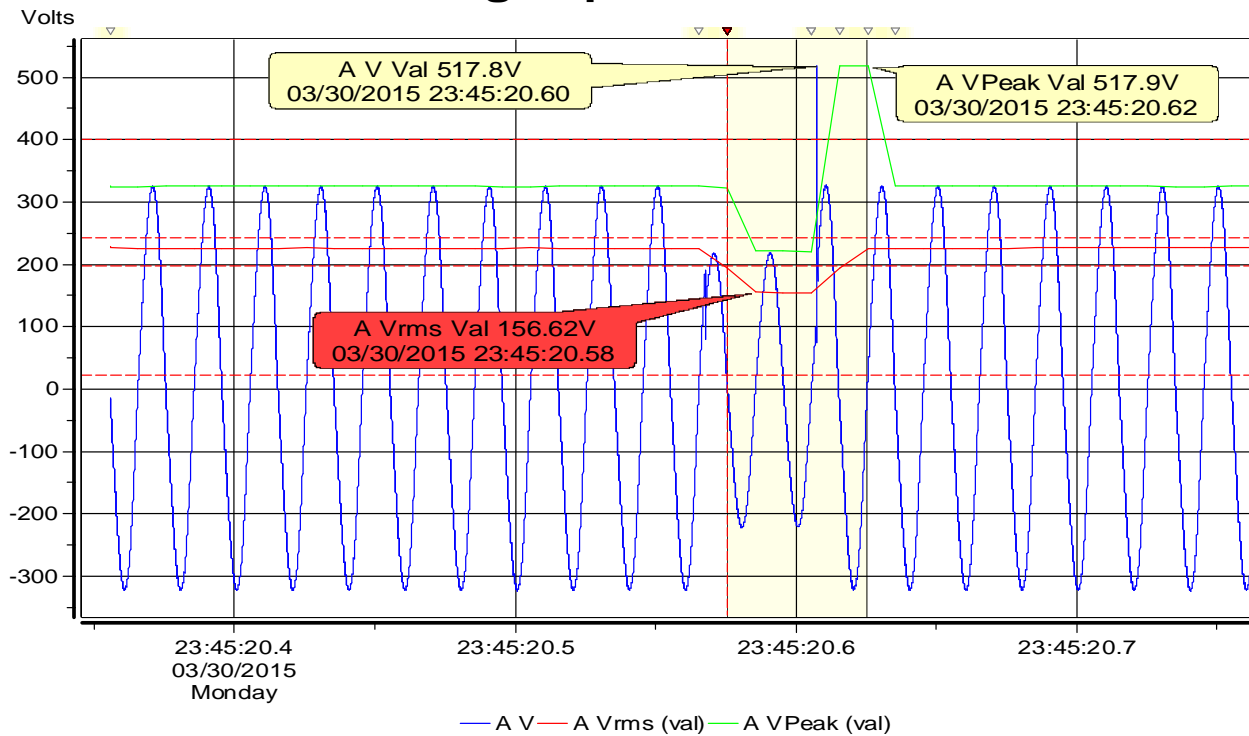
Low Frequency Decaying Ringwave



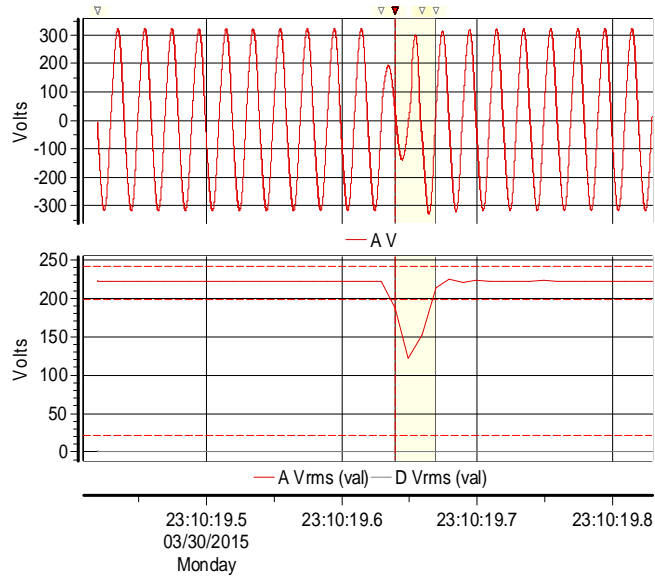
competition cannot do
this!



Voltage Sag transient 2 cycle with recloser high speed transient

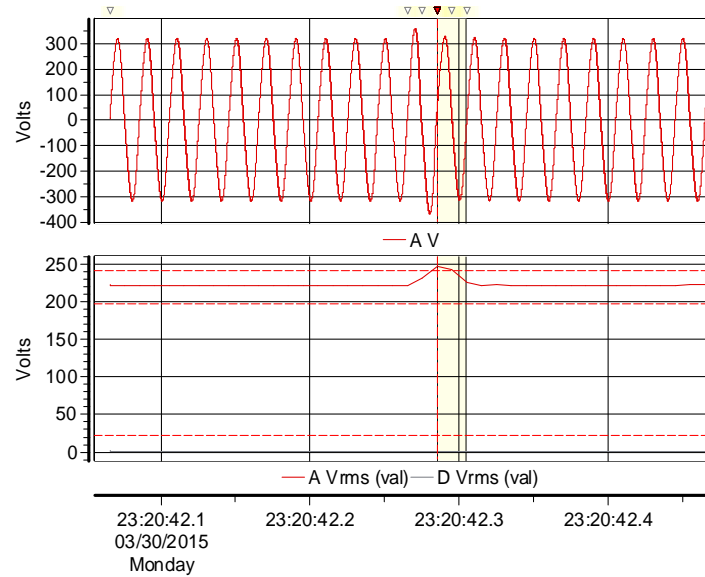


Voltage sag short duration



Event #3 at 03/30/2015 23:10:19.639
AVrms Instantaneous Sag
CATEGORY: Short Duration Instantaneous Sag
Threshold crossed 198.0 V
Magnitude 122.1 V
MaxRMS 186.7 V
Duration 0.03001 Sec.

Voltage swell short duration



Event #39 at 03/30/2015 23:20:42.285
AVrms Instantaneous Swell
CATEGORY: Short Duration Instantaneous Swell
Threshold crossed 242.0 V
Magnitude 248.3 V
MinRMS 243.2 V
Duration 0.01994 Sec.





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Thank you



Power Quality (Thailand) Co., Ltd.

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